



August 10, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Beluga Federal 14-17-9-17, 15-17-9-17, 16-17-9-17, Lone Tree Federal 1-20-9-17, and Blackjack Federal 1-4-9-17.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
AUG 12 2004  
DIV. OF OIL, GAS & MINING

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

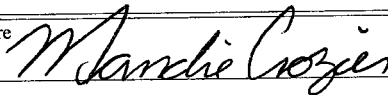
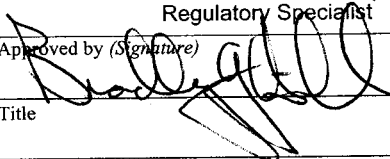
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74108
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Inland Production Company		7. If Unit or CA Agreement, Name and No. Beluga
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Beluga Federal 14-17-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-32634
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/SW 646' FSL 1981' FWL 582596 X 40.02540 At proposed prod. zone 4430815 Y -110.03205		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 18.1 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area SE/SW Sec. 17, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 646' f/lse, 646' f/unit	16. No. of Acres in lease 440.00	12. County or Parish Duchesne
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1771'	19. Proposed Depth 6500'	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5415' GL	20. BLM/BIA Bond No. on file UTU0056	17. Spacing Unit dedicated to this well 40 Acres
22. Approximate date work will start* 1st Quarter 2005		23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 8/19/04
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 08-18-04
Title ENVIRONMENTAL SCIENTIST III		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

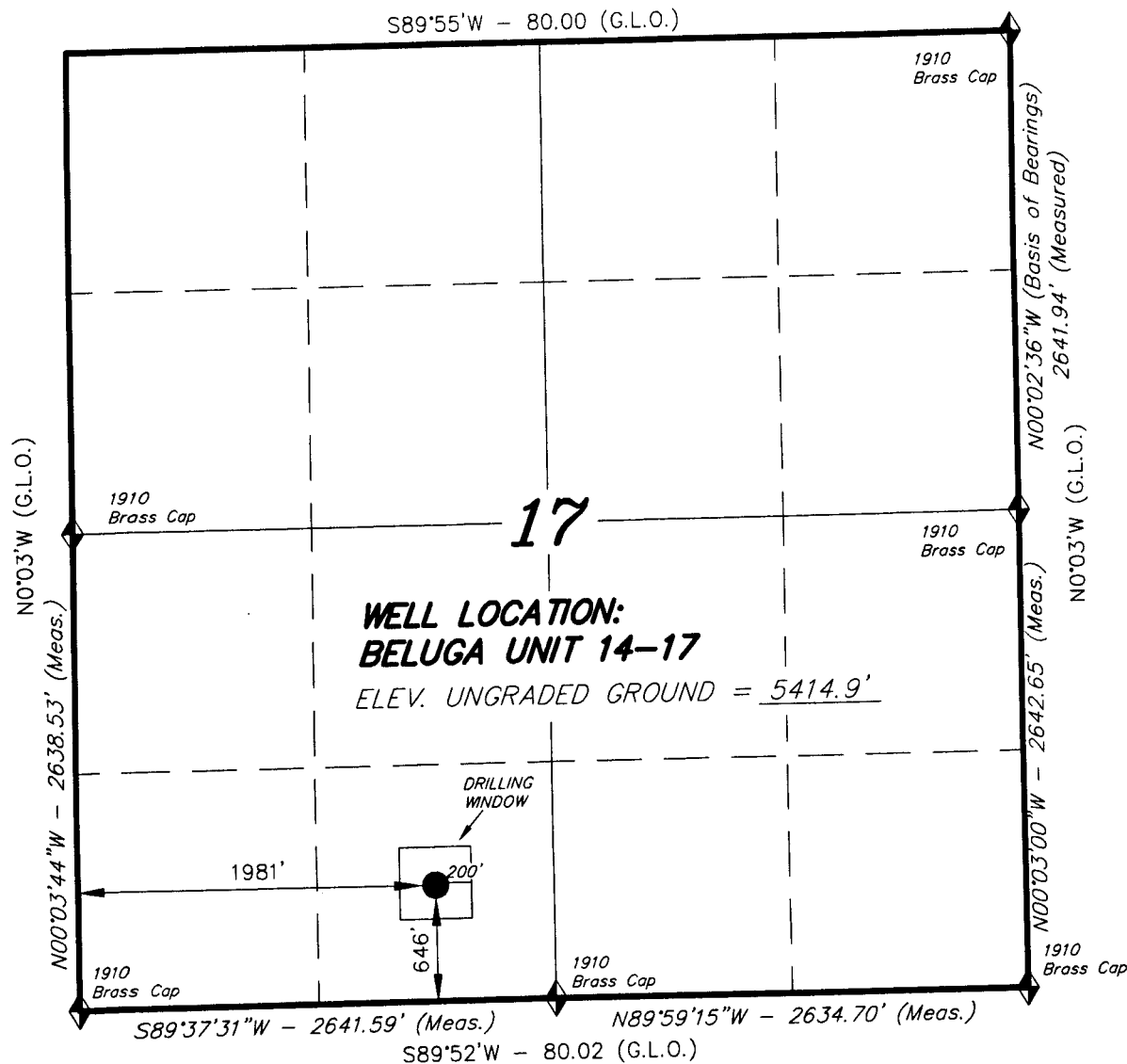
Federal Approval of this  
Action is Necessary

RECEIVED  
AUG 12 2004  
DIV. OF OIL, GAS & MINING

*T9S, R17E, S.L.B.&M.*

*INLAND PRODUCTION COMPANY*

WELL LOCATION, BELUGA UNIT 14-17,  
LOCATED AS SHOWN IN THE SE 1/4 SW  
1/4 OF SECTION 17, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE MAP WAS  
PREPARED FROM FIELD NOTES OF AERIAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

No.18937

STACY W  
STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 1489377  
STATE OF IDAHO

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

DATE: 6-15-04

DRAWN BY: F.T.M.

NOTES:

FILE #

 = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**INLAND PRODUCTION COMPANY  
BELUGA FEDERAL #14-17-9-17  
SE/SW SECTION 17, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1640'
Green River	1640'
Wasatch	5800'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1640' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
BELUGA FEDERAL #14-17-9-17  
SE/SW SECTION 17, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Beluga Federal #14-17-9-17 located in the SE 1/4 SW 1/4 Section 17, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 14.2 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly and then southeasterly - 2.0 miles  $\pm$  to it's junction with an existing road to the west; proceed southwesterly - 0.3 miles  $\pm$  to it's junction with the beginning of the proposed access road to the north; proceed northwesterly along the proposed access road - 1,730'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed location will consist of a pumping unit, line heater, and flow lines. There will not be a tank facility at the proposed Beluga Federal 14-17-9-17 location site. The production fluids will be transported from this well by flow line. A 3,240' long flow line will be constructed along the access road in an easterly direction to it's junction with the existing Beluga Central Battery flow line in the SE/SE Section 17, T9S R17E. **Refer to Topographic Map "C."**

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-94, 6/2/04. Paleontological Resource Survey prepared by, Wade E. Miller, 7/9/04. See attached report cover pages, Exhibit "D".

For the Beluga Federal #14-17-9-17 Inland Production Company requests a 500' ROW be granted in Lease UTU-72106 and 530' of disturbed area be granted in Lease UTU-74108 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Inland Production Company requests a 500' ROW in Lease UTU-72106, and 530' of disturbed area be granted in Lease UTU-74108 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a flow line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Burrowing Owl:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and August 15. If new construction or surface disturbing activities are scheduled between April 1 and August 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 within a 0.5 mile radius of any active burrowing owl nest.

**Reserve Pit Liner**

Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	<i>Atriplex confertifolia</i>	4 lbs/acre
Scarlet Globmallow	<i>Sphaeralcea concineae</i>	4 lbs/acre
Crested Wheat Grass		4 lbs/acre

**Details of the On-Site Inspection**

The proposed Beluga Federal #14-17-9-17 was on-sited on 3/25/04. The following were present; Brad Mecham (Inland Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. Weather conditions were clear at 60 degrees.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION****Representative**

Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

**Certification**

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #14-17-9-17 SE/SW Section 17, Township 9S, Range 17E: Lease UTU-74108 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8/10/04

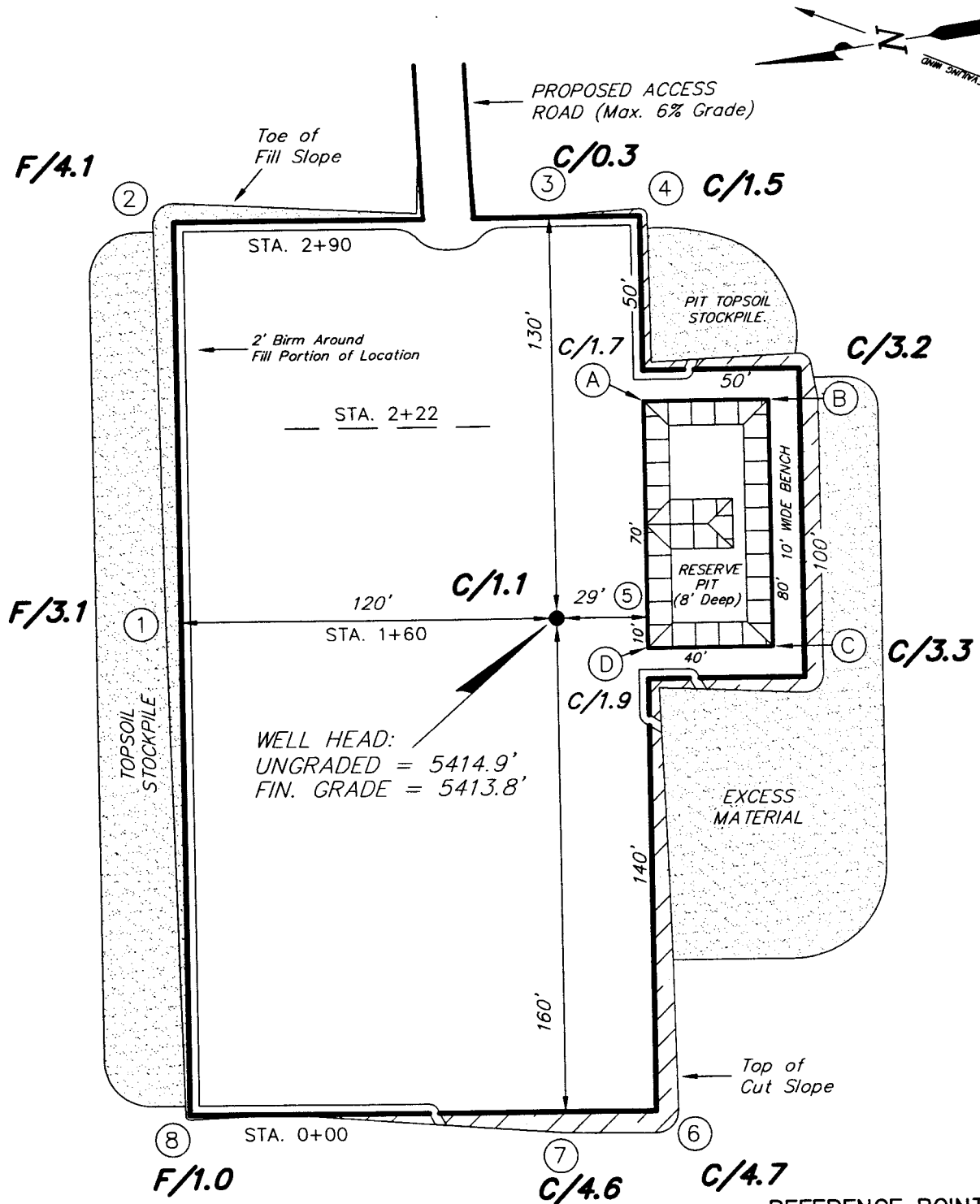
Date

  
Mandie Crozier  
Regulatory Specialist

# INLAND PRODUCTION COMPANY

## BELUGA UNIT 14-17

Section 17, T9S, R17E, S.L.B.&M.



### REFERENCE POINTS

210' WEST = 5416.8'  
 260' WEST = 5415.5'  
 170' NORTH = 5408.4'  
 220' NORTH = 5405.7'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

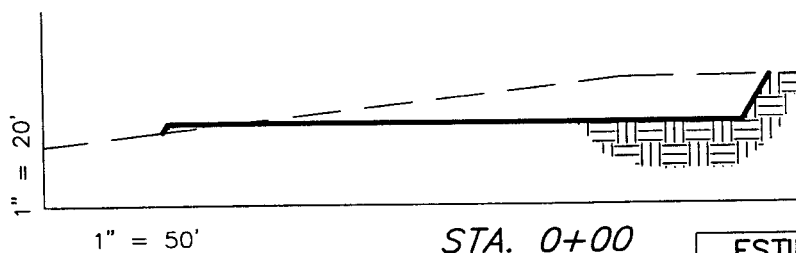
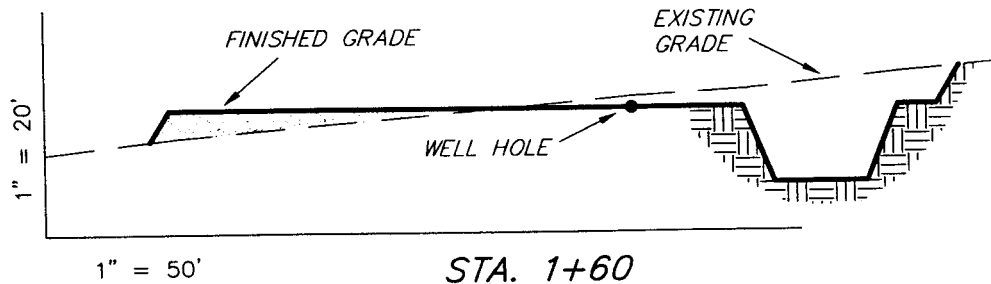
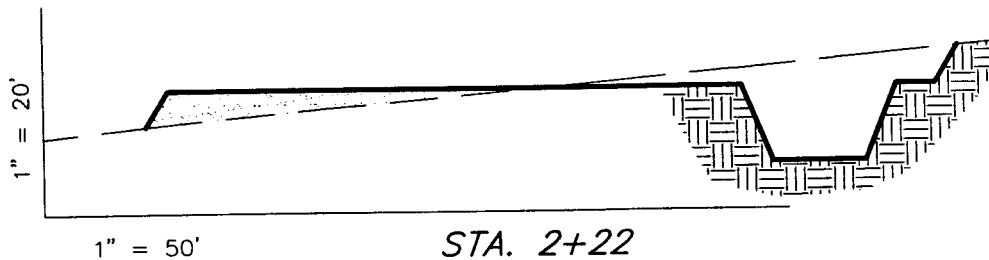
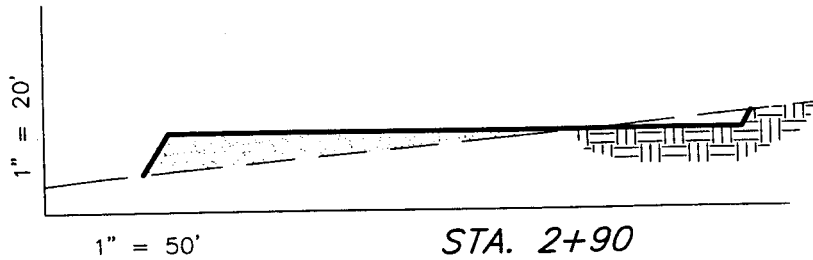
DRAWN BY: F.T.M.

DATE: 6-15-04

Tri State  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501



**INLAND PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**BELUGA UNIT 14-17**



NOTE:  
 UNLESS OTHERWISE NOTED  
 ALL CUT/FILL SLOPES ARE  
 AT 1.5:1

**ESTIMATED EARTHWORK QUANTITIES**  
 (No Shrink or swell adjustments have been used)  
 (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,640	1,640	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,280	1,640	890	640

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

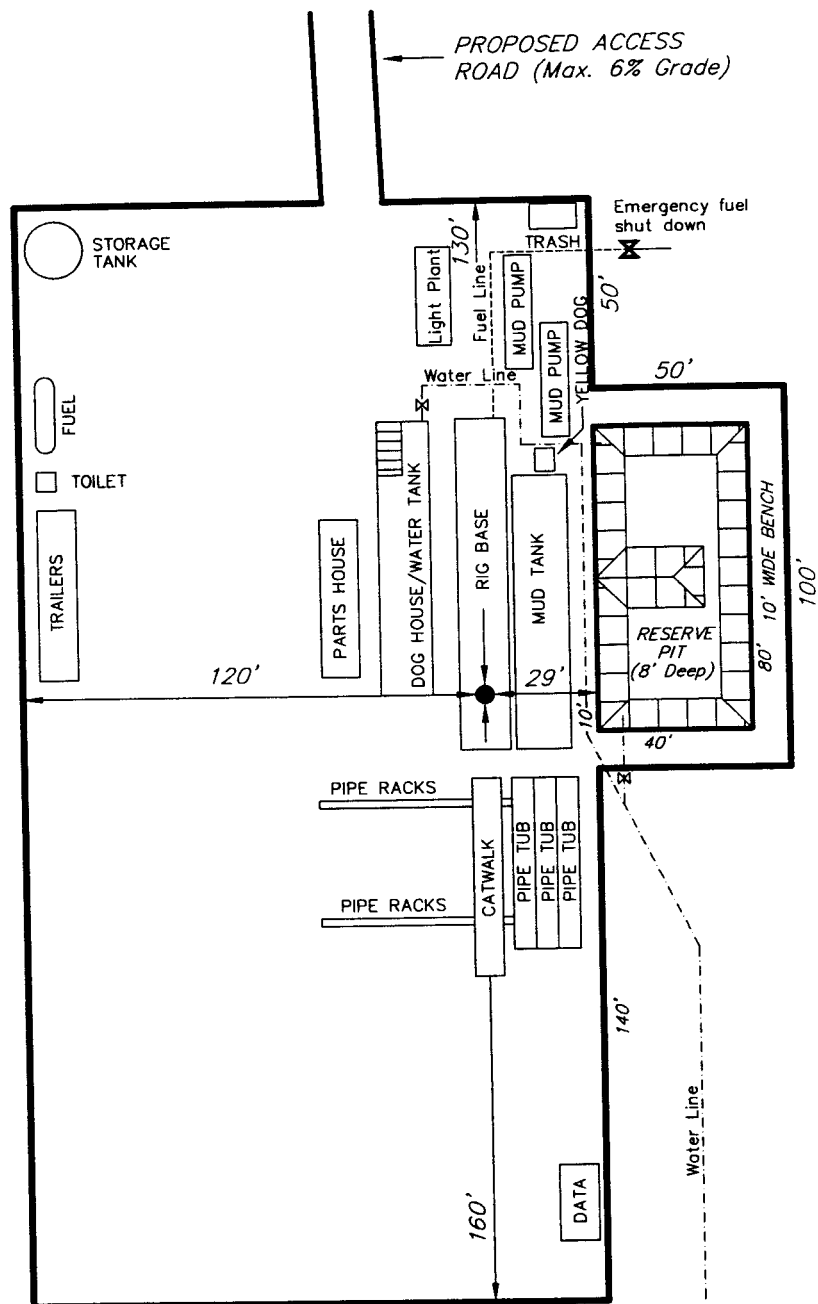
DATE: 6-15-04

(435) 781-2501  
**Tri State**  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### BELUGA UNIT 14-17



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

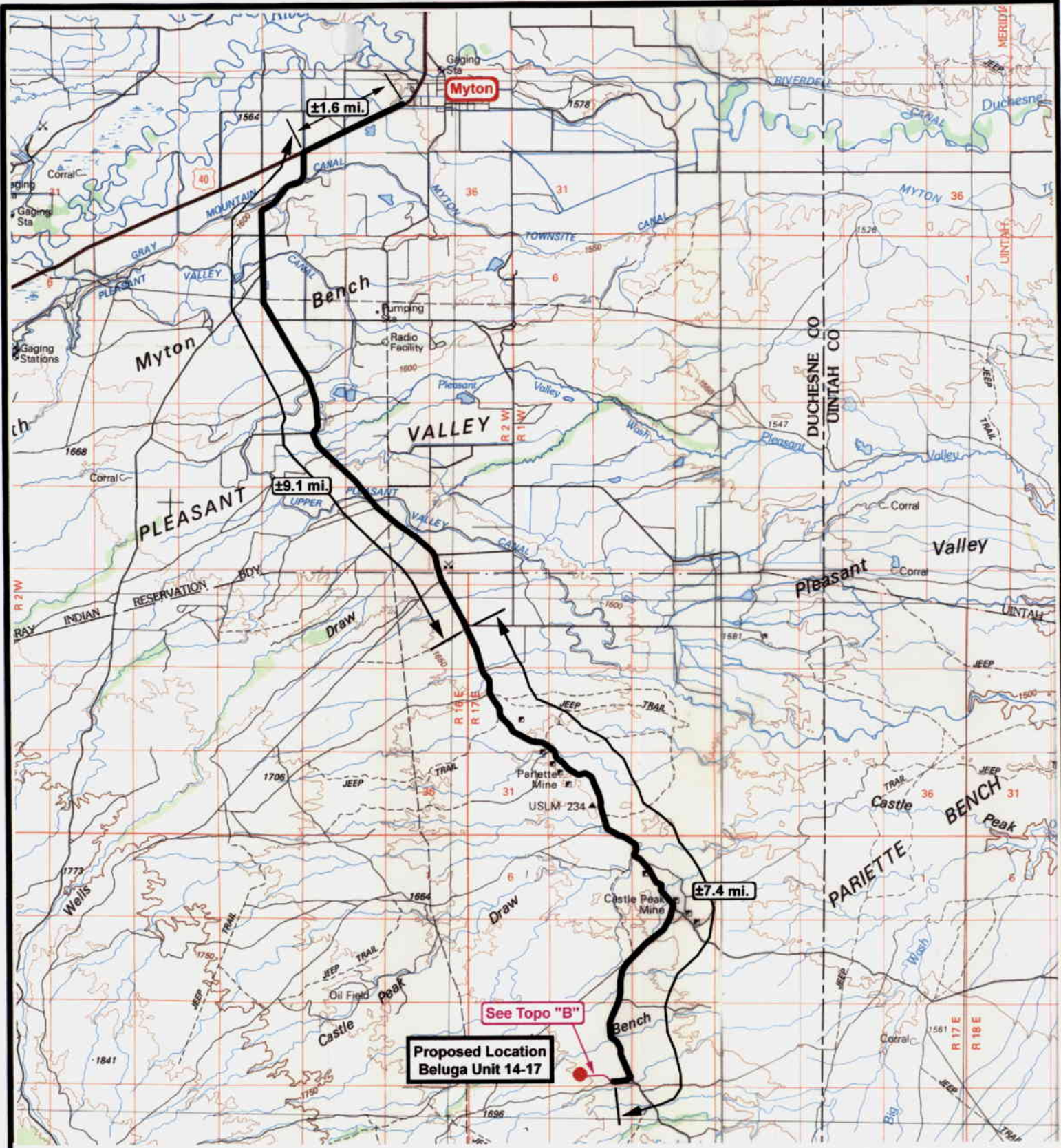
DRAWN BY: F.T.M.

DATE: 6-15-04

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**Beluga Unit 14-17-9-17**  
**SEC. 17, T9S, R17E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

**SCALE: 1 : 100,000**  
**DRAWN BY: bgm**  
**DATE: 07-07-2004**

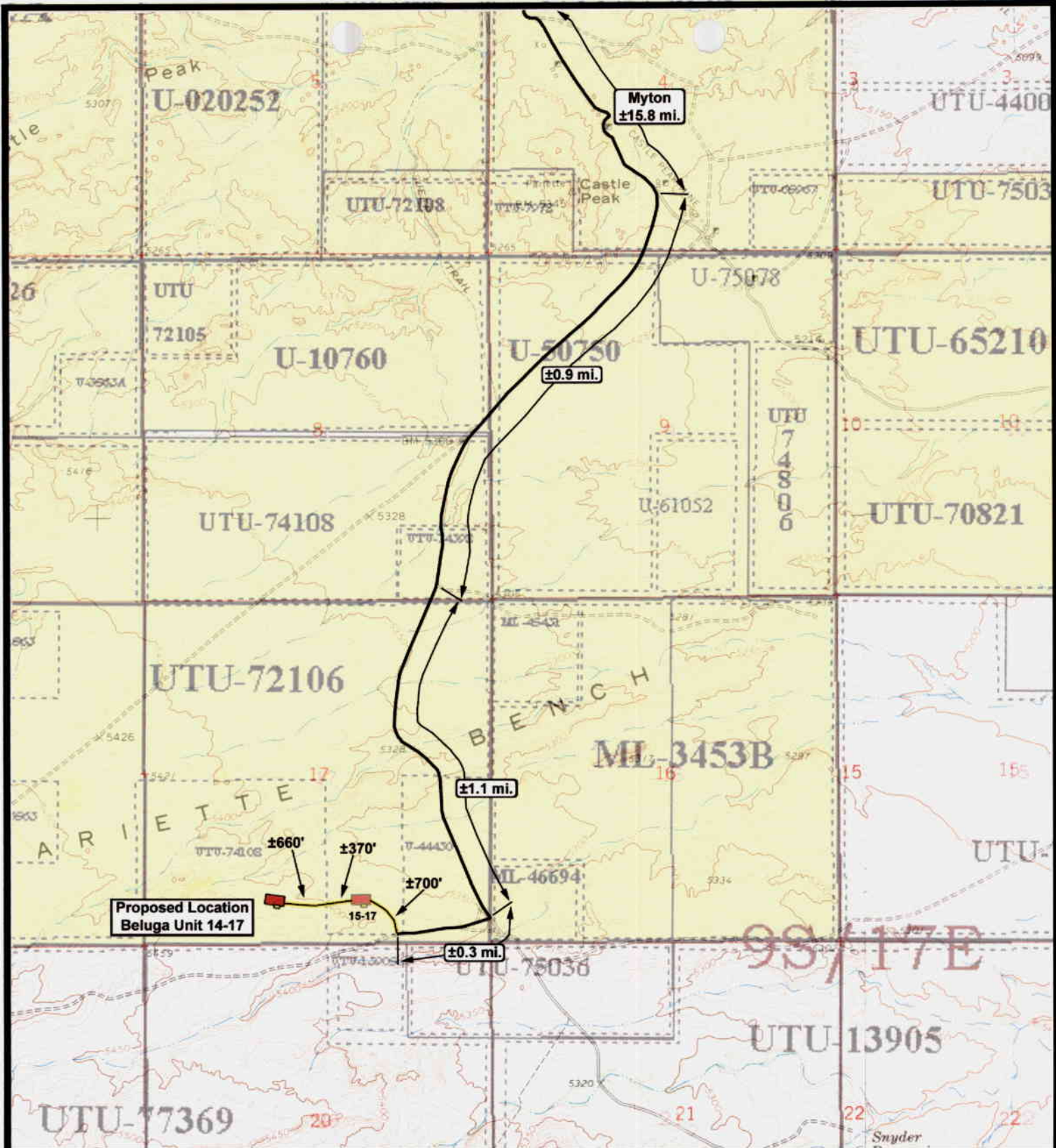
**Legend**

**Existing Road**  
**Proposed Access**

**TOPOGRAPHIC MAP**

**"A"**





**Beluga Unit 14-17-9-17  
SEC. 17, T9S, R17E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

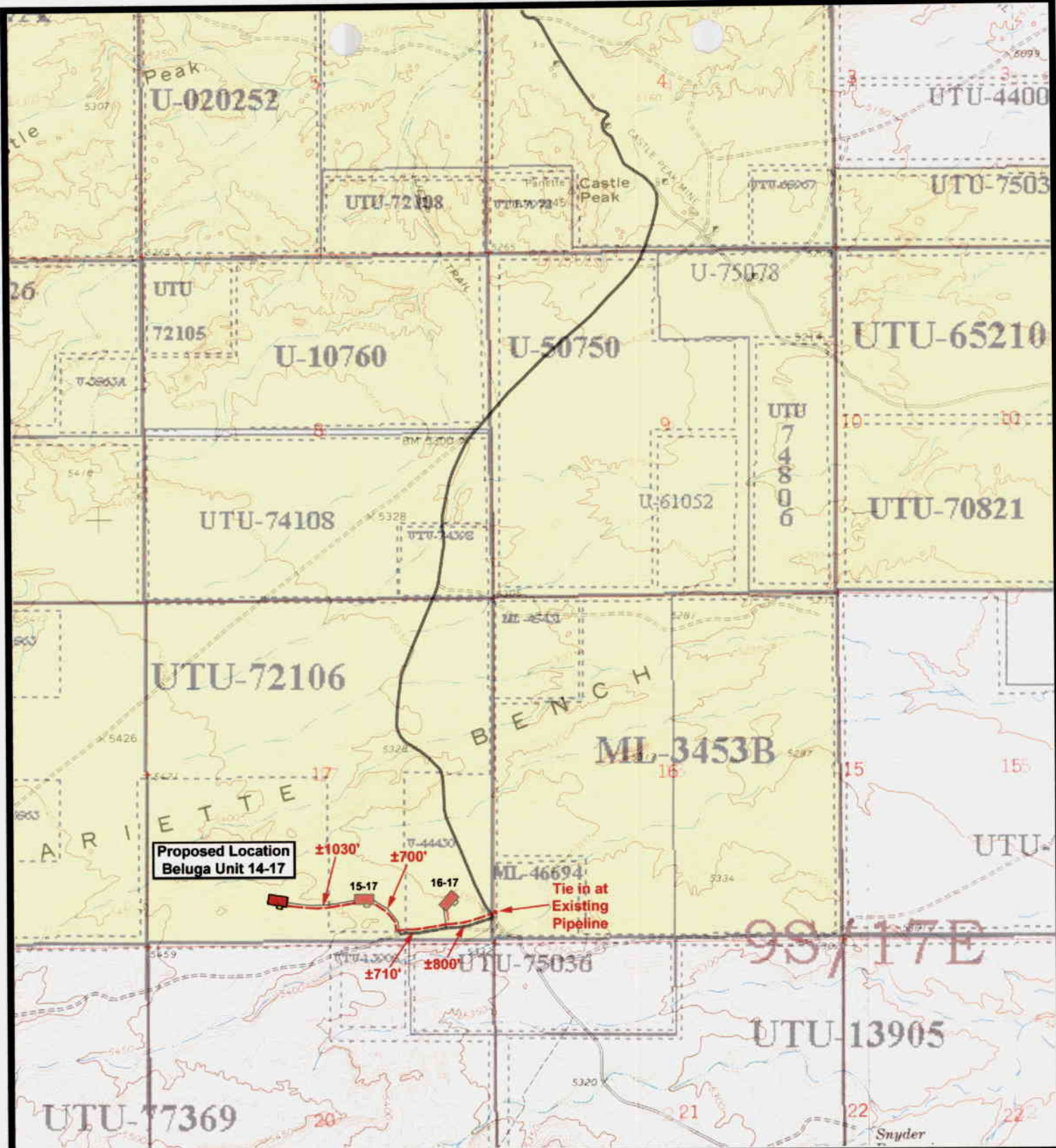
SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 07-06-2004

**Legend**  
Existing Road  
Proposed Access

TOPOGRAPHIC MAP

**"B"**





**Beluga Unit 14-17-9-17**  
**SEC. 17, T9S, R17E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 07-07-2004

**Legend**

— Roads  
 - - - Proposed Gas Line

TOPOGRAPHIC MAP

**"C"**









## 2-M SYSTEM

Blowout Prevention Equipment Systems

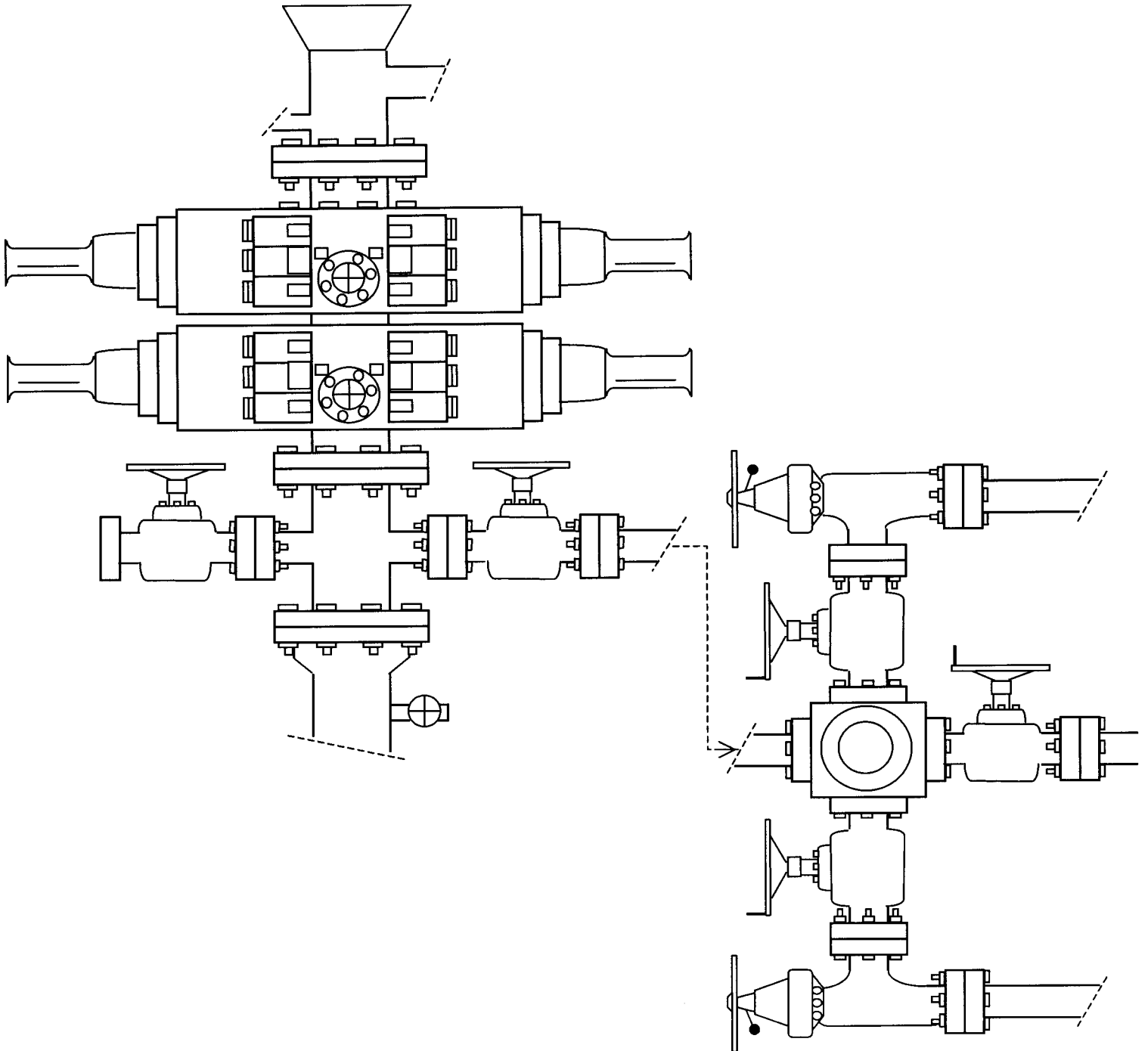
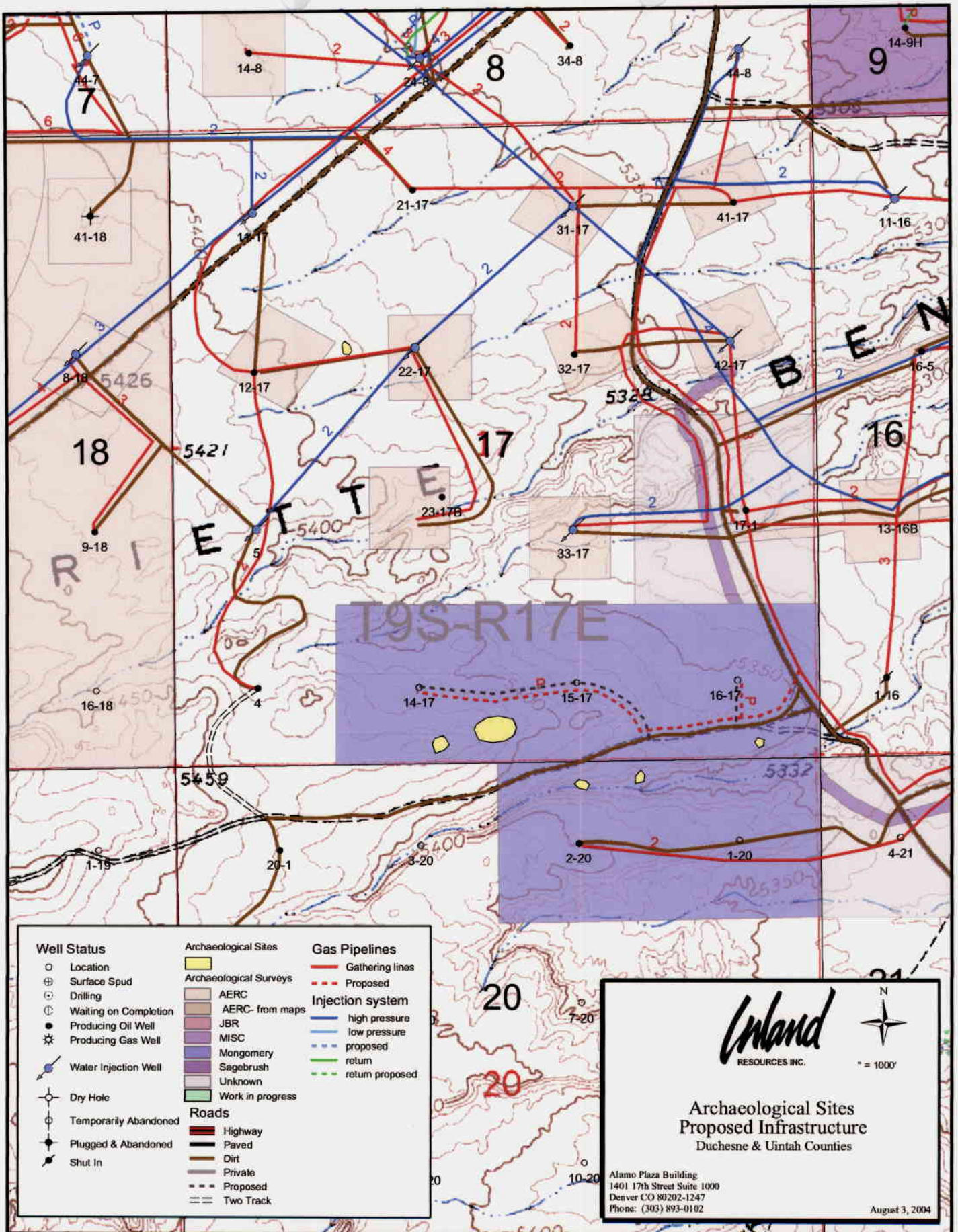


EXHIBIT C





**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE & UINTAH COUNTIES, UTAH**

Section 34, T 8 S, R 17 E (NW/SW, SW/SW, SE/SW, SW/SE);  
Section 20, T 8 S, R 17 E (NW/SE); Section 17, T 9 S, R 17 E  
(SE/SW, SW/SE, SE/SE); Section 20, T 9 S, R 17 E (NE/NE, NE/NW);  
Section 8, T 9 S, R 18 E (excluding NW/NW, SW/NE, NE/SW, NW/SW, SW/SE)

**REPORT OF SURVEY**

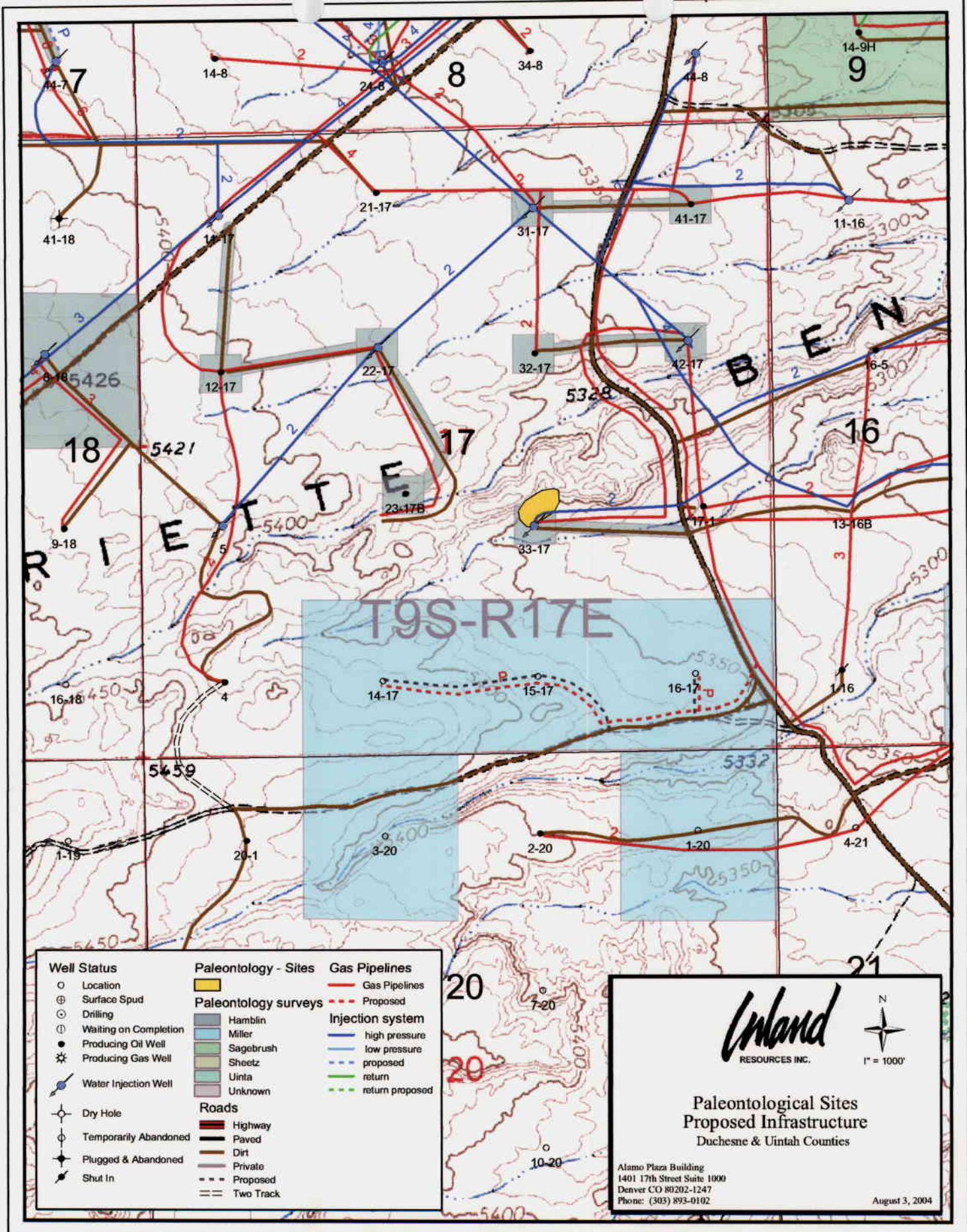
Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
July 9, 2004





CULTURAL RESOURCE INVENTORY OF INLAND  
RESOURCES' SIX BLOCK PARCELS (T8S, R17E, SEC. 20, 33, 34;  
T9S R16E S. 15; T9S R17E S. 17, 20; and T9S R18E S. 7)  
DUCHESNE AND Uintah COUNTIES, UTAH

by

Melissa Elkins  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-94

June 2, 2004

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0436b,p

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

004

APD RECEIVED: 08/12/2004

API NO. ASSIGNED: 43-013-32636

WELL NAME: BELUGA FED 14-17-9-17

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

**PROPOSED LOCATION:**

SESW 17 090S 170E

SURFACE: 0646 FSL 1981 FWL

BOTTOM: 0646 FSL 1981 FWL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74108

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.02540

LONGITUDE: 110.03205

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)

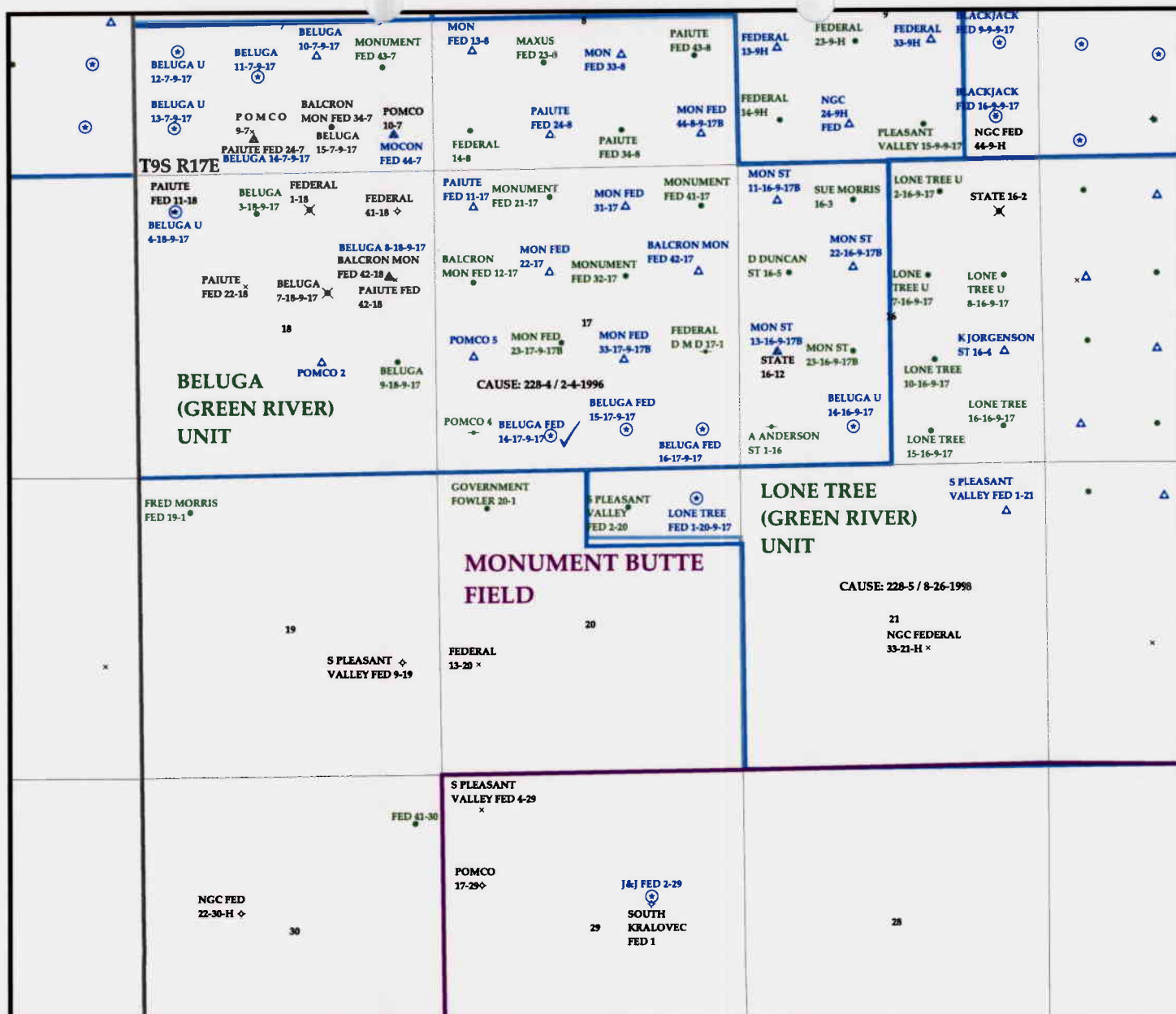
**LOCATION AND SITING:**

\_\_\_\_ R649-2-3.  
Unit BELUGA (GREEN RIVER)  
\_\_\_\_ R649-3-2. General  
Siting: 460' From Qtr/Qtr & 920' Between Wells  
\_\_\_\_ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 228-4  
Eff Date: 2-4-1996  
Siting: 460' fr U bdr, 920' fr Other U bdr.  
\_\_\_\_ R649-3-11. Directional Drill

COMMENTS: See Separate File

STIPULATIONS: 1- Federal Approval





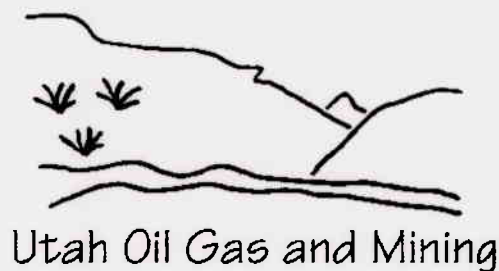
OPERATOR: INLAND PROD CO (N5160)

SEC. 17 T.9S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-4 / 2-4-1996



#### Wells

- ✱ GAS INJECTION
- ✱ GAS STORAGE
- ✱ LOCATION ABANDONED
- ⊙ NEW LOCATION
- ✱ PLUGGED & ABANDONED
- ✱ PRODUCING GAS
- PRODUCING OIL
- ✱ SHUT-IN GAS
- ✱ SHUT-IN OIL
- ✱ TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ◆ WATER SUPPLY
- ↘ WATER DISPOSAL

#### Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 17-AUG-2004



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

August 18, 2004

Inland Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Beluga Federal 14-17-9-17 Well, 646' FSL, 1981' FWL, SE SW, Sec. 17,  
T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32636.

Sincerely,

John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Inland Production Company  
**Well Name & Number** Beluga Federal 14-17-9-17  
**API Number:** 43-013-32636  
**Lease:** UTU-74108

**Location:** SE SW                      **Sec.** 17                      **T.** 9 South                      **R.** 17 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

August 18, 2004

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2004 Plan of Development Beluga Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2004 within the Beluga Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-32636	Beluga Federal 14-17-9-17 Sec 17	T09S R17E 0646 FSL 1981 FWL
43-013-32637	Beluga Federal 15-17-9-17 Sec 17	T09S R17E 0661 FSL 1979 FEL
43-013-32638	Beluga Federal 16-17-9-17 Sec 17	T09S R17E 0660 FSL 0659 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Beluga Unit  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:8-18-04



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

### 3. FILE

### Designation of Agent/Operator

## Merger

**9/1/2004**

**TO: ( New Operator):**  
**N2695-Newfield Production Company**  
**Route 3 Box 3630**  
**Myton, UT 84052**  
**Phone: 1-(435) 646-3721**

## BELUGA (GREEN RIVER)

[illegible]

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-74108**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**BELUGA**

8. Well Name and No.

**BELUGA FEDERAL 14-17-9-17**

9. API Well No.

**43-013-32636**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well



Oil  
Well



Gas  
Well



Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**646 FSL 1981 FWL SE/SW Section 17, T9S R17E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**



Notice of Intent



Subsequent Report



Final Abandonment Notice



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other

**Permit Extension**



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 8/18/04 (expiration 8/18/05).

This APD has not been approved yet by the BLM.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date:

*08-15-05*  
*[Signature]*

By:

**RECEIVED**

**AUG 12 2005**

**DIV. OF OIL, GAS & MINING**

**COPIES SENT TO OPERATOR**

*8-16-05*  
*CHD*

14. I hereby certify that the foregoing is true and correct

Signed

*Mandie Crozier*

Title

**Regulatory Specialist**

Date

**8/9/2005**

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32636  
**Well Name:** Beluga Federal 14-17-9-17  
**Location:** SE/SW Section 17, T9S R17E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 8/18/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Mandi Cuzis  
Signature

8/9/05  
Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-74108

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Beluga

8. Lease Name and Well No.

Beluga Federal 14-17-9-17

9. API Well No.

43'013' 32636

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

SE/SW Sec. 17, T9S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface SE/SW 646' FSL 1981' FWL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

Approximately 18.1 miles southeast of Myton, Utah

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any)

Approx. 646' f/lse, 646' f/unit

16. No. of Acres in lease

440.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,

applied for, on this lease, ft.

Approx. 1771'

19. Proposed Depth

6500'

20. BLM/BIA Bond No. on file

UT 10056-UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5415' GL

22. Approximate date work will start\*

1st Quarter 2005

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Mandie Crozier

Name (Printed/Typed)

Mandie Crozier

Date

8/19/04

Title

Regulatory Specialist

Approved By (Signature)

Howard B. Cleavage

Name (Printed/Typed)

Howard B. Cleavage

Date

12/09/2005

Title

Assistant Field Manager

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL RECEIVED

DEC 20 2005

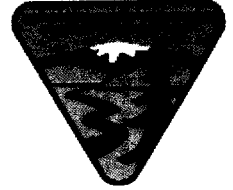
DIV. OF OIL, GAS & MINING

UDOGM



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO  
DRILL**

Company: Newfield Production Co.  
Well No: Beluga Federal 14-17-9-17  
API No: 43-013-32636

Location: SESW, Sec 17, T9S, R17E  
Lease No: UTU-74108  
Agreement: Beluga (GR) Unit

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.

**NOTIFICATION REQUIREMENTS**

- |  |  |
|--|--|
| Location Construction<br>(Notify Melissa Hawk) | - Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify Melissa Hawk)   | - Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify PE)                     | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify SPT)      | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify SPT)  | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify PE)         | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.

4 to 6 inches of topsoil shall be stripped from the locations and placed where it can most easily be recovered for interim reclamation. The topsoil shall be respread over the entire location as soon as completion operations have been finished and recontouring of fill slopes is complete. At this point the production equipment can be set. The areas of the location not needed for production operations, including the reserve pits, shall be seeded with crested wheatgrass (variety Hycrest) at a rate of 12 lbs/ acre (pure live seed). The interim seeding shall be done by either drilling the seed or by broadcasting the seed and dragging it with a spike tooth harrow.

The gas lines shall be buried by trenching in the borrow ditches of the road and the trench material side cast into the existing vegetation. When backfilling the trenches, care shall be taken to disturbance as little of the vegetation as possible and thus allowing the existing plants to reestablish on their own, however, these areas shall also be seeded with crested wheatgrass at the 12 lb/acre rate to ensure vegetation establishment and to keep invasive weeds to a minimum. All seeding of the pipelines shall be completed using a seed drill.

No pipeline construction will be allowed outside of already disturbance areas when soils are muddy and rutting of soils becomes apparent from the use of vehicles. If rutting occurs, operations must cease until soils are dry or frozen.

### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at  $\pm 2,020$  ft.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.

All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.

BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office.

All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.

6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.
7. Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

**Please submit an electronic copy of all logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).**

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

10. Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
- a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.

13. Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



## DIVISION OF OIL, GAS AND MINING

### ***SPUDDING INFORMATION***

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: BELUGA FED 14-17-9-17

Api No: 43-013-32636 Lease Type: FEDERAL

Section 17 Township 09S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 01/23/06

Time 9:30 AM

How DRY

***Drilling will Commence:*** \_\_\_\_\_

Reported by TROY

Telephone # 1-435-823-6013

Date 01/23/2006 Signed CHD

OPERATOR ACCT. NO. **N2695**

RECEIVED  
JAN 25 2006  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
646 FSL 1981 FWL  
SE/SW Section 17 T9S R17E

5. Lease Serial No.

UTU74108

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.  
BELUGA UNIT

8. Well Name and No.

BELUGA FEDERAL 14-17-9-17

9. API Well No.

4301332636

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 1/24/2006 MIRU NDSI NS # 1. Spud well @ 9:30 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 311.08' KB On 1/24/2006 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Return 3 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Floyd Mitchell

Title

Drilling Supervisor

Signature

*Floyd Mitchell*

Date

01/26/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**

**JAN 30 2006**

**DIV. OF OIL, GAS & MINING**

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 311.08

LAST CASING 8 5/8" set @ 311.08  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Beluga Federal 14-17-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 40.90'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	299.23
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			301.08
TOTAL LENGTH OF STRING		301.08	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>311.08</b>
TOTAL		299.23	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		299.23	7				
TIMING		1ST STAGE		GOOD CIRC THRU JOB			YES
BEGIN RUN CSG.		Spud 1/23/2006	9:30 AM	Bbls CMT CIRC TO SURFACE			3
CSG. IN HOLE		1/24/2006	11:30 AM	RECIPROCATED PIPE FOR			N/A
BEGIN CIRC		1/24/2006	1:18 PM	BUMPED PLUG TO			135 PSI
BEGIN PUMP CMT		1/24/2006	1:30 PM				
BEGIN DSPL. CMT		1/24/2006	1:41 PM				
PLUG DOWN		1/24/2006	1:48 PM				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3		

COMPANY REPRESENTATIVE Troy Zufelt DATE 1/24/2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

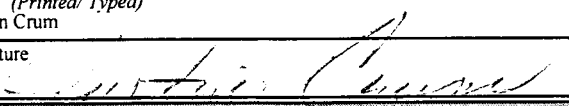
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU74108
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or No. BELUGA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 646 FSL 1981 FWL SE/SW Section 17 T9S R17E		8. Well Name and No. BELUGA FEDERAL 14-17-9-17
		9. API Well No. 4301332636
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 2/4/06 MIRU NDSi Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 265'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5744'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 135 jt's of 5.5 J-55, 15.5# csgn. Set @ 5712' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 40 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 90,000 #s tension. Release rig @ 8:00 PM on 2/8/06.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Justin Crum	Title Drilling Foreman
Signature 	Date 02/10/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____ Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title _____ Office _____	Date _____
--	-----------------------------	------------

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**FEB 16 2006**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5712.25

LAST CASING 8 5/8" SET AT 311'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 5744' Loggers TD 5740'  
 HOLE SIZE 7 7/8"

Float collar 5670'  
 OPERATOR Newfield Production Company  
 WELL Beluga 14-17-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI #1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
	<b>SHJT</b>	<b>5.78' @ 4050'</b>					
<b>134</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	5670.53
		Float collar					0.6
<b>1</b>	<b>5 1/2"</b>	ETC LT&C csg	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	42.47
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF 6STRING			5714.25
TOTAL LENGTH OF STRING		5714.25	135	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		127.08	3	CASING SET DEPTH			<b>5712.25</b>
TOTAL		<b>5826.08</b>	138	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		5826.08	138				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		2/8/2006	11:00 PM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		2/8/2006	2:00 PM	Bbls CMT CIRC TO SURFACE <u>40 bbls</u>			
BEGIN CIRC		2/8/2006	2:05 PM	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>			
BEGIN PUMP CMT		2/8/2006	3:21 PM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN DSPL. CMT		2/8/2006	16:24	BUMPED PLUG TO <u>1880</u> PSI			
PLUG DOWN		<b>8-Feb</b>	<b>4:24 PM</b>				
CEMENT USED		4 CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
<b>1</b>	<b>300</b>	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
<b>2</b>	<b>425</b>	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Justin Crum DATE 2/8/2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
646 FSL 1981 FWL  
SE/SW Section 17 T9S R17E

5. Lease Serial No.

UTU74108

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

BELUGA UNIT

8. Well Name and No.

BELUGA FEDERAL 14-17-9-17

9. API Well No.

4301332636

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

Accepted By \_\_\_\_\_  
Utah Division of  
Oil, Gas and Mining

Date: 3/14/06  
By: [Signature]

Federal Approval Of This  
Action Is Necessary

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Mandie Crozier

Signature

[Signature]

Title

Regulatory Specialist

Date

03-09-2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

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(Instructions on reverse)

MAR 10 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

646 FSL 1981 FWL

SE/SW Section 17 T9S R17E

5. Lease Serial No.

UTU74108

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

BELUGA UNIT

8. Well Name and No.

BELUGA FEDERAL 14-17-9-17

9. API Well No.

4301332636

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

03/09/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse.)

**MAR 10 2006**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 646' FSL & 1981' FWL (SE/SW) Sec. 17, T9S, R17E

At top prod. Interval reported below

At total depth

14. API NO.  
43-013-32636

DATE ISSUED  
8/18/04

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UT

15. DATE SPUDDED  
1/23/06

16. DATE T.D. REACHED  
2/7/06

17. DATE COMPL. (Ready to prod.)  
3/8/06

18. ELEVATIONS (DF. RKB. RT. GR. ETC.)\*  
5415' GL 5427' KB

19. ELEV. CASING HEAD

20. TOTAL DEPTH. MD & TVD

5744'

21. PLUG BACK T.D. MD & TVD

5669'

22. IF MULTIPLE COMPL. HOW MANY\*

23. INTERVALS DRILLED BY  
----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION--TOP. BOTTOM. NAME (MD AND TVD)\*

Green River 3938'-5549'

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED  
No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	311'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5712'	7-7/8"	300 sx Premlite II and 425 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5609'	TA @ 5508'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 5538'-5549'	.46"	4/44	5538'-5549'	Frac w/ 35,083# 20/40 sand in 396 bbls fluid
(CP1) 5279'-5288'	.43"	4/36	5279'-5288'	Frac w/ 24,901# 20/40 sand in 350 bbls fluid
(LODC) 4999'-5004', 5018'-24', 5042'-58', 5090'-5100', 5124'-34'	.43"	4/188	4999'-5134'	Frac w/ 190,068# 20/40 sand in 1276 bbls fluid
(A3) 4800'-4816'	.43"	4/64	4800'-4816'	Frac w/ 99,925# 20/40 sand in 728 bbls fluid
(B2) 4692'-4707'	.43"	4/60	4692'-4707'	Frac w/ 65,374# 20/40 sand in 564 bbls fluid
(D2) 4462'-4472'	.43"	4/40	4462'-4472'	Frac w/ 38,177# 20/40 sand in 327 bbls fluid
(GB6) 3938'-3946'	.43"	4/32	3938'-3946'	Frac w/ 24,278# 20/40 sand in 217 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION 3/8/06		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 30 day ave		HOURS TESTED	CHOKE SIZE	PROD. FOR TEST PERIOD ----->	OIL--BBL. 40	GAS--MCF 12	WATER--BBL. 0	GAS-OIL RATIO 300
FLOW, TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF	WATER--BBL.	OIL GRAVITY-API(CORR.)	

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

RECEIVED

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*[Signature]*

Regulatory Specialist

APR 12 2006 4/10/2006

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Beluga Federal 14-17-9-17	Garden Gulch Mkr	3416'	
				Garden Gulch 1	3616'	
				Garden Gulch 2	3724'	
				Point 3 Mkr	3974'	
				X Mkr	4228'	
				Y-Mkr	4261'	
				Douglas Creek Mkr	4384'	
				BiCarbonate Mkr	4604'	
				B Limestone Mkr	4712'	
				Castle Peak	5246'	
				Basal Carbonate	5668'	
				Total Depth (LOGGERS)	5740'	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street

DENVER, CO 80202-1129

Phone 800-227-8917

<http://www.epa.gov/region08>

AUG 05 2008

Ref: 8P-W-GW

**CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

RE: Additional Well: Beluga Unit Permit

**UIC Permit No. UT20798-00000**

**Well ID: UT20798-07847**

Beluga Federal 14-17-9-17

646 ft. FSL & 1981 ft. FWL

SE SW Section 17-T9S-R17E

Duchesne County, Utah

API # 43-013-32636

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Beluga Federal 14-17-9-17 to an enhanced recovery injection well in the Beluga Unit Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization For Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Beluga Unit Area Permit No. UT20798-00000, and subsequent modifications. **Please refer to the corrective action requirements for the Area of Review (AOR) wells: Lone Tree Federal 3-20-9-17 and Monument Butte Pomco 4 on page 3 of the Well-Specific Requirements. Also refer to Newfield's July 10, 2008 procedure describing a monitoring plan with respects to those specific wells, which is attached to the Well-Specific Requirements.**

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3412 feet and the top of the Wasatch Formation estimated to be at 5793 feet.


Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a **Part 1 (Internal) mechanical integrity test (MIT)**, (2) a **pore pressure** calculation of the injection interval, (3) a complete **EPA Form No. 7520-12** (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Beluga Federal 14-17-9-17 is determined to be **1065 psig**. UIC Area Permit UT20798-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Mr. Bob Near at (303) 312-6278 or 1-(800)-227-8917 (Ext. 312-6278). Please submit the required data to **ATTENTION: Bob Near**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



 Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Encl: Authorization For Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record). Proposed Wellbore and P&A Wellbore  
Schematics for Beluga-Federal 14-17-9-17

cc: Letter Only

Curtis Cesspooch, Chairman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Irene Cuch, Vice Chairwoman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Ronald Groves, Councilman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Steven Cesspooch, Councilman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Phillip Chimburas, Councilman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Frances Poowegup, Councilwoman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Chester Mills, Superintendent  
U.S. Bureau of Indian Affairs  
Uintah & Ouray Indian Agency

All Enclosures:

Larry Love, Director  
Energy and Minerals Department  
Ute Indian Tribe

Michael Guinn, District Manager  
Newfield Production Company  
Myton, Utah

Shaun Chapoose, Director  
Land Use Dept.  
Ute Indian Tribe

Gilbert Hunt, Associate Director  
Utah Division of Oil, Gas and Mining

Fluid Minerals Engineering Office  
U.S. Bureau of Land Management  
Vernal, Utah

Elaine Willie, GAP Coordinator  
Land Use Dept.  
Ute Indian Tribe

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: UT20798-00000**

The Beluga Final UIC Area Permit No. UT20798-00000, effective October 25, 1996, authorizes injection for the purpose of enhanced oil recovery into multiple lenticular sand units which are distributed throughout the lower portion of the Green River Formation. On June 15, 2007, the permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

Well Name:	<b><u>Beluga Federal 14-17-9-17</u></b>
EPA Well ID Number:	<b><u>UT #20798-07847</u></b>
Location:	646 ft. FSL & 1981 ft. FWL SE SW Sec. 17-T9S-R17E Duchesne County, Utah. API #43-013-32636

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20798-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20798-00000, as modified and as specified in the Well Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date:

7/29/08



**Stephen S. Tuber**

\*Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20798-00000  
Well: Beluga Federal EPA Well ID: UT20798-07847

Printed on Recycled Paper

## **WELL-SPECIFIC REQUIREMENTS**

Well Name: **Beluga Federal 14-17-9-17**

EPA Well ID Number: **UT20798-07847**

**Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director:**

1. a successful Part I (Internal) Mechanical Integrity test (MIT);
2. pore pressure calculation of the proposed injection zone;
3. completed Well Rework Record EPA Form No. 7520-12 and schematic diagram.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation [3412 feet (KB)] to the top of the Wasatch Formation, which is estimated to be at a depth of [5793 feet (KB)].

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is **1065 psig**, based on the following calculation:

MAIP = [FG - (0.433)(SG)] \* D, where

FG = 0.71 psi/foot    SG = 1.015    D = **3938 feet** (top perforation depth KB)

**MAIP = 1065 psig**

UIC Area Permit No. UT20798-00000 also provides the opportunity for the permittee to request a change of the MAIP based upon results of a step rate test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction and Corrective Action:** **No Corrective Action is Required** on the Beluga Federal 14-17-9-17. Based on review of well construction and cementing records, including CBL, well construction is considered adequate to prevent fluid movement out of the injection zone and into USDWs.

**Tubing**        2-7/8" or similar size injection tubing is approved; the packer shall be set at  
**and Packer:** a depth no more than 100 feet above the top perforation.

**Corrective Action for Wells in Area of Review (AOR):** The following three (3) wells, that penetrate the confining zone within or proximate to a 1/4 mile radius around the Beluga Federal 14-17-9-17, were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDW:

### **Corrective Action Not Required**

Well: Beluga Federal 15-17-9-17

SW SE Sec. 17-T9S-R17E

Shows 84 ft. of 80% cement bond (CBL) over the Confining Zone (3302 feet-3386 feet) TOC 90 feet.

Authorization for Additional Well: UIC Area Permit UT20798-00000

Well: Beluga Federal 14-17-9-17 EPA Well ID: UT20798-07847

### **Corrective Action Required**

Well: Lone Tree Federal 3-20-9-17                      NE NW Sec. 20-T9S-R17E  
Less than 80% cement bond over the Confining Zone (3280 feet-3366 feet) TOC 206 feet.

Well: Monument Butte Pomco 4                      SW SW Sec. 17-T9S-R17E  
Less than 80% cement bond over the Confining Zone (3335 feet-3422 feet) TOC 2300 feet.

The Lone Tree Federal 3-20-9-17 and Monument Butte Pomco 4 wells will be monitored weekly at the surface for evidence of fluid movement out of the Injection Zone.

In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone".

If possible fluid movement out of the Injection Zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure described above, or through any other means, (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, tubing-casing annulus pressure readings, or other evidence of a mechanical integrity failure), the Permittee will shut in the Beluga Federal 14-17-9-17 well immediately and notify the Director. No injection into the Beluga Federal 14-17-9-17 well will be permitted until the Permittee has notified the Director that the situation has been resolved, submitted Rework Records (EPA Form No. 7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection.

**Demonstration of Mechanical Integrity:** A successful demonstration of Part I (Internal) Mechanical Integrity using a standard Casing-Tubing pressure test is required for the Beluga Federal 14-17-9-17 prior to injection and at least once every five years thereafter. EPA reviewed the Cement Bond Log and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR§ 146.8 (a)(2). Therefore, further demonstration of Part II (External) Mechanical Integrity is not required at this time.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by an Annual Statement that has been approved by the EPA.



**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 feet above the top perforation with a minimum 20 foot cement plug on top of the CIBP.

PLUG NO. 2: Squeeze a cement plug on the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench between approximately 2601 feet (KB) to 2746 feet (KB). If pre-existing backside cement precludes cement-squeezing this interval then a minimum 145 foot balanced cement plug shall be placed inside the 5-1/2" casing from approximately 2601 feet (KB) to 2746 feet (KB).

PLUG NO. 3: Squeeze a cement plug on the backside of the 5-1/2" casing across the top of the Green River Formation between approximately 1295 feet (KB) and 1395 feet (KB). If pre-existing backside cement precludes cement-squeezing this interval then a minimum 100 foot plug shall be placed inside the 5-1/2 casing from approximately 1295 feet (KB) to 1395 feet (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 311 feet and up the 5-1/2" x 8-5/8" casing annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level and set P&A marker; submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

**Reporting of Noncompliance:**

(a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.

(c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:**

The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:**

The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>.**

**Other Noncompliance:**

The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:**

Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

## **WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Beluga Federal 14-17-9-17**

EPA Well ID Number: **UT20798-07847**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Beluga Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 316 feet below ground surface in the Beluga Federal 14-17-9-17.

**http:NRWRT1.NR.STATE.UT.US:**

There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

**Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]:**

- TDS of the Douglas Creek Member – Green River Formation Water: 13,345 mg/l.

- TDS of Beluga Facility Injection System source water: 7,404 mg/l.

The **injectate** is water from the Beluga Facility Injection System blended with produced Green River Formation Water resulting in TDS > 10,000 mg/l.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately eighty-eight (88) feet of shale between the depths of 3324 feet and 3412 feet (KB).

**Injection Zone:** The Injection Zone at this well location is approximate 2381 feet of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3412 feet (KB) to the top of the Wasatch Formation which is estimated to be at 5793 feet (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL shows approximately 84 feet of 80% or greater cement bond (3328 feet to 3412 feet).

**Surface Casing:** 8-5/8" casing is set at 311 feet (KB) in a 12-1/4" hole, using 160 sacks Class G cement, 3 barrels circulated to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5712 feet (KB) in a 7-7/8" hole secured with 725 sacks of cement. Total driller depth 5744 feet. Plugged back total depth is 5669 feet. EPA calculates top of cement at 1045 feet. Estimated CBL top of cement is 160 feet

**Perforations:** Top perforation: **3938 feet** (KB)

Bottom perforation: **5549 feet** (KB)

**Wells in Area of Review (AOR):** Construction and cementing records, including cement bond Logs (CBL), as available, for three (3) wells in the ¼ mile AOR that penetrated the Confining Zone, were reviewed. One (1) was found to have 80% or greater cement bond over the Confining Zone and two (2) had less than 80% cement bond over the confining zone.

**AOR Well Not Requiring Corrective Action**

Well: Beluga Federal 15-17-9-17                      SW SE Sec. 17-T9S-R17E

**AOR Wells Requiring Corrective Action:**

Well: Lone Tree Federal 3-20-9-17                      NE NW Sec. 20-T9S-R17E

Well: Monument Butte Pomco 4                      SW SW Sec. 17-T9S-R17E



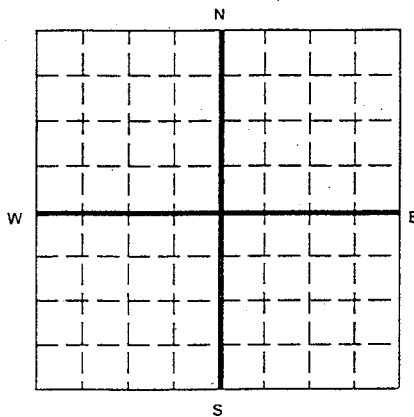
United States Environmental Protection Agency  
Washington, DC 20460

## WELL REWORK RECORD

Name and Address of Permittee

Name and Address of Contractor

Locate Well and Outline Unit on  
Section Plat - 640 Acres



State

County

Permit Number

Surface Location Description

1/4 of 1/4 of 1/4 of 1/4 of Section Township Range

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

Location ft. frm (N/S) Line of quarter section

and ft. from (E/W) Line of quarter section.

WELL ACTIVITY

- ☐ Brine Disposal  
☐ Enhanced Recovery  
☐ Hydrocarbon Storage

Lease Name

Total Depth Before Rework

Total Depth After Rework

Date Rework Commenced

Date Rework Completed

TYPE OF PERMIT

☐ Individual☐ Area

Number of Wells

Well Number

### WELL CASING RECORD -- BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

### WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL  
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Log Types

Logged Intervals

### Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)

Signature

Date Signed

## PAPERWORK REDUCTION ACT

The public reporting and record keeping burden for this collection of information is estimated to average 4 hours per response annually. Burden means the total time, effort, or financial resource expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal Agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to the collection of information; search data sources; complete and review the collection of information; and, transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques to Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

## Beluga Federal 14-17-9-17

Spud Date: 01/23/06  
 Put on Production: 03/08/06  
 K.B.: 5427, G.L.: 5416

Initial Production: BOPD,  
 MCFD, BWPD

Proposed P & A  
Wellbore DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (299.23')  
 DEPTH LANDED: 311.08' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5713.00')  
 DEPTH LANDED: 5712.25' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

Base USDW 316'

Cement Plug

Cement Plug

Cement top @ 160'

Pump 42 sxs Class G Cement down 5 -1/2" casing to 361'

Casing Shoe @ 311'

1295'

1395'

-1345' Green River

2601'

2746'

-2651' Trona

-2678'-96' Mahogany Bench

-3324' Confining Zone

-3412' Garden Gulch

20' Class G Cement plug on top of CIBP

CIBP Not more than 50' above Top Perforation

3938-3946'

-4384' Douglas Creek

4462-4472'

4692-4707'

4800-4816'

4999-5004'

5018-5024'

5042-5058'

5090-5100'

5124-5134'

-5246' Castle Peak

5279-5288'

5538-5549'

-5668' Basal Carb.

PBTD @ 5669'

TD @ 5744'

Est. Wasatch 5793'

NEWFIELD

Beluga Federal 14-17-9-17

646' FSL &amp; 1981' FWL

SE/SW Section 17-T9S-R17E

Duchesne Co, Utah

API #43-013-32636; Lease #UTU-74108

# Beluga Federal 14-17-9-17

Spud Date: 01/23/06  
Put on Production: 03/08/06  
K.B.: 5427, G.L.: 5416

Proposed Injection  
Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (299.23')  
DEPTH LANDED: 311.08' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5713.00')  
DEPTH LANDED: 5712.25' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 170 jts (5496.47')  
TUBING ANCHOR: 5508.47' KB  
NO. OF JOINTS: 1 jts (31.63')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5542.90' KB  
NO. OF JOINTS: 2 jts (64.69')  
TOTAL STRING LENGTH: BOT @ 5609.14' KB

## FRAC JOB

03/01/06 5538-5549' Frac CPS, sands as follows:  
35083# 20/40 sand in 396 bbls Lightning 17  
frac fluid. Treated @ avg press of 1972 psi  
w/avg rate of 25.6 BPM. ISIP 1980 psi. Calc  
flush: 5547 gal. Actual flush: 5502 gal.

03/01/06 5279-5288' Frac CP1 sands as follows:  
24901# 20/40 sand in 350 bbls Lightning 17  
frac fluid. Treated @ avg press of 1679 psi  
w/avg rate of 25.5 BPM. ISIP 1900 psi. Calc  
flush: 5286 gal. Actual flush: 5292 gal.

03/01/06 4999-5134' Frac LODC sands as follows:  
190068# 20/40 sand 1276 bbls Lightning 17  
frac fluid. Treated @ avg press of 1974 psi  
w/avg rate of 39 BPM. ISIP 2290 psi. Calc  
flush: 5132 gal. Actual flush: 5040 gal.

03/01/06 4800-4816' Frac A3 sands as follows:  
99925# 20/40 sand in 728 bbls Lightning 17  
frac fluid. Treated @ avg press of 2165 psi  
w/avg rate of 25.4 BPM. ISIP 2600 psi. Calc  
flush: 4814 gal. Actual flush: 4830 gal.

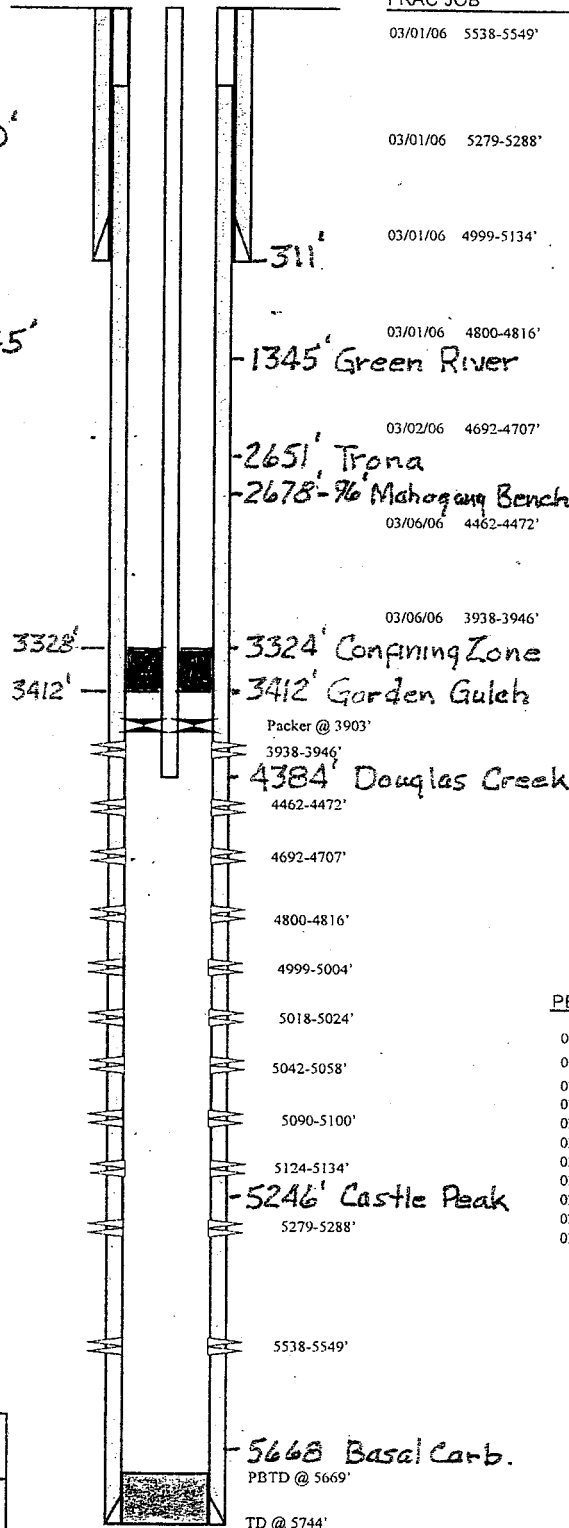
03/02/06 4692-4707' Frac B2 sands as follows:  
65374# 20/40 sand in 564 bbls Lightning 17  
frac fluid. Treated @ avg press 2904 psi  
w/avg rate of 25.6 BPM. ISIP 1300 psi. Calc  
flush: 4705 gal. Actual flush: 3150 gal.

03/06/06 4462-4472' Frac D2 sands as follows:  
38177# 20/40 sand in 327 bbls Lightning 17  
frac fluid. Treated @ avg press 3235 psi  
w/avg rate of 14.7 BPM. ISIP 2130 psi. Calc  
flush: 4470 gal. Actual flush 1008 gal.

03/06/06 3938-3946' Frac CB6 sands as follows:  
24278# 20/40 sand in 217 bbls Lightning 17  
frac fluid. Treated @ avg press 2498 psi  
w/avg rate of 14.7 BPM. ISIP 1500 psi. Calc  
flush: 3944 gal. Actual flush 882 gal.

## PERFORATION RECORD

Date	Interval	Tool	Holes
02/24/06	5538-5549'	4 JSPF	44 holes
03/01/06	5279-5288'	4 JSPF	36 holes
03/01/06	5124-5134'	4 JSPF	40 holes
03/01/06	5090-5100'	4 JSPF	40 holes
03/01/06	5042-5058'	4 JSPF	64 holes
03/01/06	5018-5024'	4 JSPF	24 holes
03/01/06	4999-5004'	4 JSPF	20 holes
03/01/06	4800-4816'	4 JSPF	64 holes
03/01/06	4692-4707'	4 JSPF	60 holes
03/03/06	4462-4472'	4 JSPF	40 holes
03/03/06	3938-3946'	4 JSPF	32 holes



NEWFIELD

Beluga Federal 14-17-9-17

646' FSL & 1981' FWL

SE/SW Section 17-T9S-R17E

Duchesne Co, Utah

API #43-013-32636; Lease #UTU-74108

Est. Wasatch 5793'



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74108
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: BELUGA UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 646 FSL 1981 FWL		8. WELL NAME and NUMBER: BELUGA FEDERAL 14-17-9-17
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4301332636
6. COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
7. OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESW, 17, T9S, R17E		8. STATE: UT

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 02/17/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** Clearly show all pertinent details including dates, depths, volumes, etc.

On 2/13/09 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 2/23/09. On 2/23/09 the csg was pressured up to 1050 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20798-07847

API# 43-013-32636

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

NAME (PLEASE PRINT) <u>Callie Ross</u>	TITLE <u>Production Clerk</u>
SIGNATURE <u><i>Callie Ross</i></u>	DATE <u>02/25/2009</u>

(This space for State use only)

**RECEIVED**  
**MAR 02 2009**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 2 / 23 / 09

Test conducted by: Tal Whitehead

Others present: \_\_\_\_\_

Well Name: <u>Beluga Federal 14-17-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>MONUMENT BUTTE</u>		
Location: <u>SE/SL</u>	Sec: <u>17</u>	T <u>9</u> N/(S) R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>NEWFIELD EXPLORATION</u>		
Last MIT: <u>      </u> / <u>      </u> / <u>      </u>	Maximum Allowable Pressure: _____ PSIG	

Is this a regularly scheduled test? ☐ Yes ☒ No  
 Initial test for permit? ☒ Yes ☐ No  
 Test after well rework? ☐ Yes ☒ No  
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

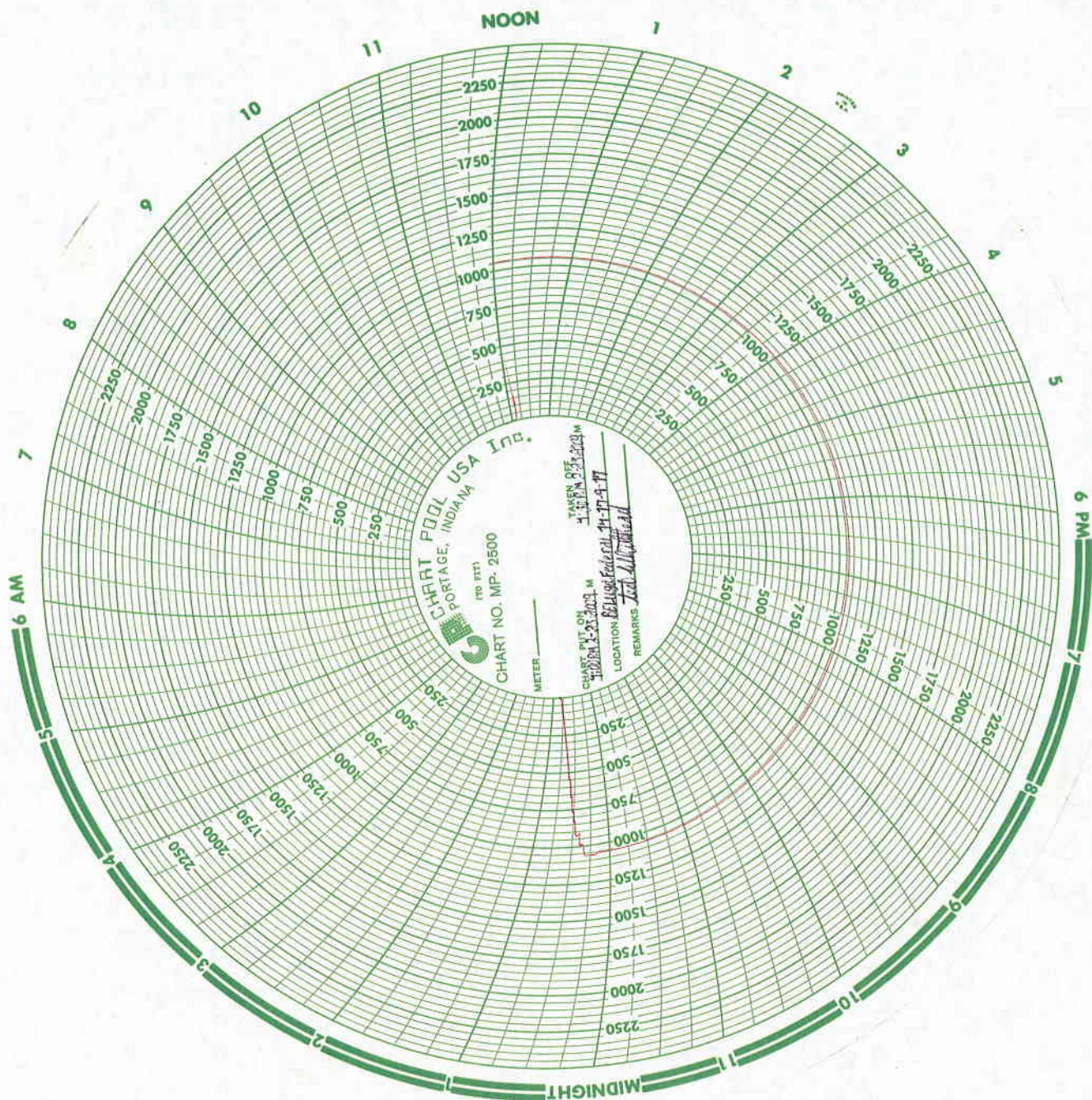
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1050</u> psig	psig	psig
5 minutes	<u>1050</u> psig	psig	psig
10 minutes	<u>1050</u> psig	psig	psig
15 minutes	<u>1050</u> psig	psig	psig
20 minutes	<u>1050</u> psig	psig	psig
25 minutes	<u>1050</u> psig	psig	psig
30 minutes	<u>1050</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



**BELUGA 14-17-9-17**  
**12/1/2008 To 4/28/2009**

**2/13/2009 Day: 1**

**Conversion**

Western #1 on 2/12/2009 - MIRU Western #1. RU HO trk & pump 60 BW dn annulus. RD pumping unit & PU on rod string--did not see pump unseat. RU HO trk to flush tbg--pressures up. Try screwing rod string together W/ same results. Soft joint rod string & strip off flow-T. Pressure up on tbg to 4000 psi--holds. TOH & hang 36 rods. Try flushing again W/ no success. Con't TOH W/ rods. Had top half of rod pump. Left standing valve & lower portion of pump in hole. RU HO trk & pump 70 BW dn annulus @ 250°F. RU Perforators LLC WLT & perf 2 holes 10' below TA. RD WLT & RU HO trk to tbg. Flush tbg W/ 35 BW @ 250°F. SIFN.

**2/14/2009 Day: 2**

**Conversion**

Western #1 on 2/13/2009 - TIH W/ rods f/ derrick. RU HO trk & flush rods W/ 40 BW @ 250°F. TOH & LD rod string. Re-flushed W/ add'l 35 BW halfway out. ND wellhead & release TA @ 5476'. NU BOP. Flush tbg W/ 35 BW @ 250°F. TOH & talley production tbg. Broke each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 80 jts. SIFN.

**2/18/2009 Day: 3**

**Conversion**

Western #1 on 2/17/2009 - Con't TOH & talley production tbg. Broke each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 52 jts tbg and BHA. MU & TIH W/ injection string as follows: new Weatherford 5 1/2" Arrowset 1-X pkr (W/ W.L. re-entry guide & hardened steel slips), new SN & 120 jts 2 7/8 8rd 6.5# J-55 tbg. RU HO trk & pump 10 bbl pad. Drop standing valve & pump to SN. Pressure test to 3000 psi. Held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8625 in 70 bbls fresh wtr. RU HO trk & pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 3901', CE @ 3905' & EOT @ 3909'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test casing & pkr to 1400 psi. Held solid for 30 minutes. RDMOSU. Well ready for MIT.

**2/24/2009 Day: 4**

**Conversion**

Rigless on 2/23/2009 - On 2/13/09 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well (Beluga Fed. 14-17-9-17). Permission was given at that time to perform the test on 2/23/09. On 2/23/09 the csg was pressured up to 1050 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20798-07847 API# 43-013-32636



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
Denver, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

MAR 10 2009

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Michael Guinn  
District Manager  
Newfield Production Company  
Route 3-Box 3630  
Myton, UT 84502

95 17E 17

RE: Underground Injection Control (UIC)  
**Authorization to Commence Injection**  
EPA UIC Permit UT20798-07847  
Well: Beluga Federal 14-17-9-17  
Duchesne County, Utah  
API # 43-013-32636

Dear Mr. Guinn:

Newfield Production Company (Newfield) has satisfactorily completed Environmental Protection Agency (EPA) **Prior to Commencing Injection** requirements for Final Permit UT20798-07847, effective July 29, 2008. The Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form No. 7520-12), schematic diagram, and pore pressure were reviewed and approved by EPA on March 4, 2009.

As of the date of this letter, the EPA hereby authorizes injection into the Beluga Federal 14-17-9-17 well under the terms and conditions of EPA UIC Permit UT20798-07847 at an MAIP of 1,065 psig.

You may apply for a higher maximum allowable injection pressure at a later date. Your application should be accompanied by the interpreted results from a Step-Rate Test (SRT) that measures the formation fracture pressure and the fracture gradient at this location. A current copy of EPA Guidelines for running and interpreting a SRT will be sent upon request.

As of this approval, responsibility for Permit Compliance and Enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well:

**RECEIVED**

**MAR 17 2009**

**DIV. OF OIL, GAS & MINING**

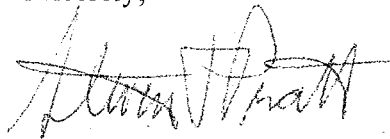


US EPA, Region 8  
Attn: Nathan Wiser  
MC: ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202

For questions regarding notification, testing, monitoring, reporting or other Permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211). Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit.

If you have any questions regarding this approval, please call Sarah Bahrman at 800-227-8917 (ext. 312-6243).

Sincerely,



for Eddie A. Sierra  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc:

Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director



Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg  
Regulatory Analyst  
Newfield Production Company

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

646 FSL 1981 FWL

SESW Section 17 T9S R17E

5. Lease Serial No.

USA UTU-74108

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

BELUGA UNIT

8. Well Name and No.

BELUGA FEDERAL 14-17-9-17

9. API Well No.

4301332636

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Change status, put well
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	on injection.

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above reference well was put on injection at 3:30 PM on 3-24-09.

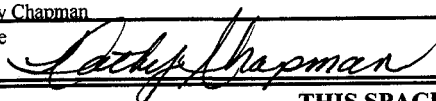
UT 20798-07847

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Kathy Chapman

Signature



Title

Office Manager

Date

03/25/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**MAR 26 2009**

**DIV. OF OIL, GAS & MINING**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>WI</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74108
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 646 FSL 1981 FWL		8. WELL NAME and NUMBER: BELUGA FEDERAL 14-17-9-17
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESW, 17, T9S, R17E		9. API NUMBER: 4301332636
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>04/26/2011</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

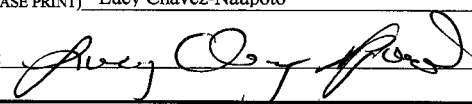
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on April 26, 2011. Results from the test indicate that the fracture gradient is 0.780 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1065 psi to 1340 psi.

EPA: UT20798-07847 API: 43-013-32636

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**FOR RECORD ONLY**

NAME (PLEASE PRINT) <u>Lucy Chavez-Naupoto</u>	TITLE <u>Water Services Technician</u>
SIGNATURE 	DATE <u>05/03/2011</u>

(This space for State use only)

**RECEIVED**  
**MAY 11 2011**  
**DIV. OF OIL, GAS & MINING**

## Step Rate Test (SRT) Analysis

Date: 04/27/2011

Operator: Newfield Production Company

Well: Beluga Federal 14-17-9-17

Permit #: UT20798-07847

**Enter the following data :**

Specific Gravity (sg) of injectate = 1.015 g/cc  
Depth to top perforation (D) = 3938 feet 3938  
Top of permitted injection zone depth (blank=use top perforation to calculate fg) = \_\_\_\_\_ feet  
Estimated Formation Parting Pressure (Pfp) from SRT chart = 1340 psi 1340  
Instantaneous Shut In Pressure (ISIP) from SRT = 1413 psi 1340  
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder = \_\_\_\_\_ psi no downhole

### Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.780 psi/ft.

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1413

D = depth used = 3938

Pbhp used = 3071

Calculated Bottom Hole Parting Pressure (Pbhp) = 3071 psi 3070.731

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 \* SG \* D)

(Uses lesser of ISIP or Pfp) Value used = 1340

### Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

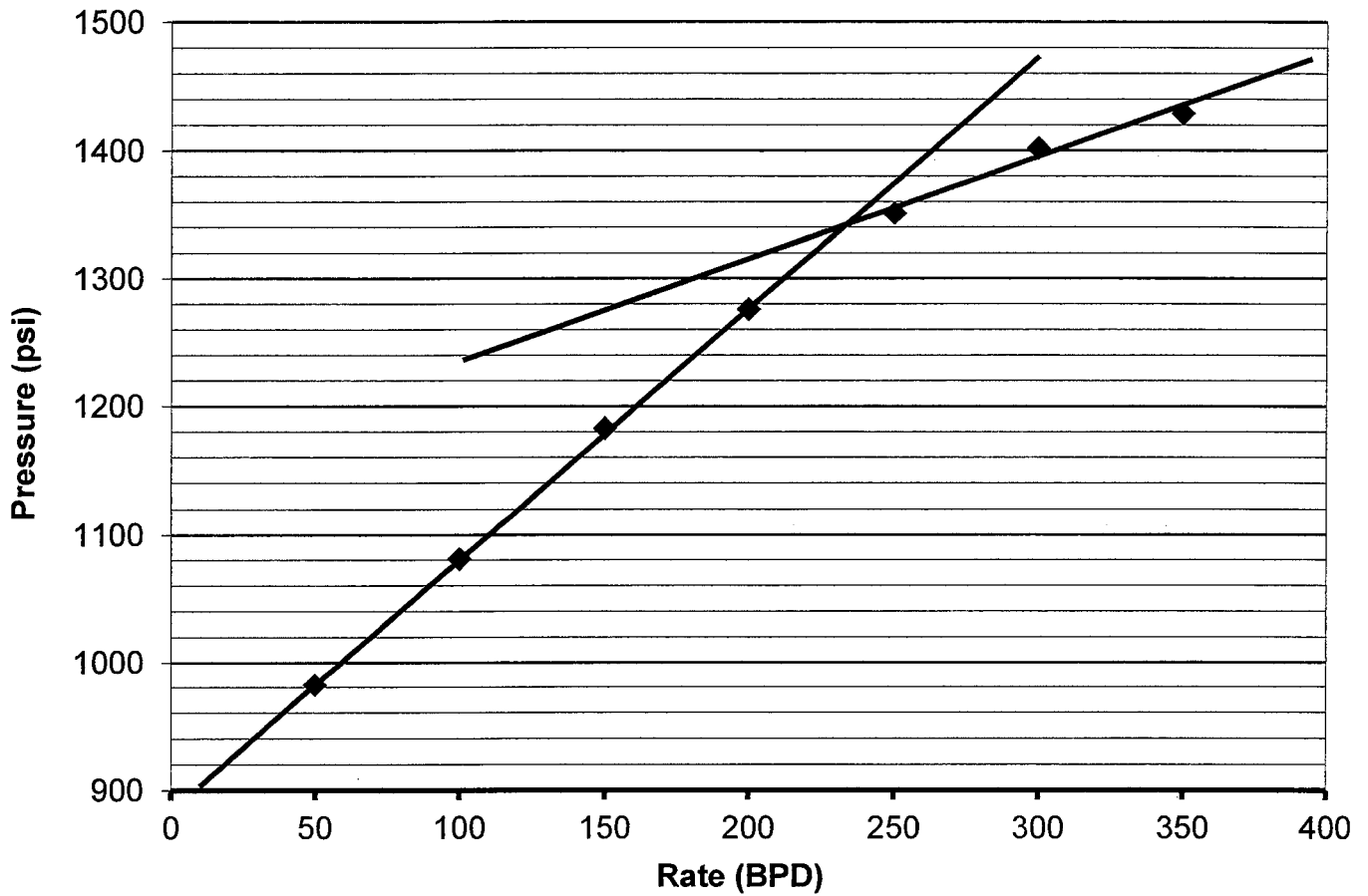
Maximum Allowable Injection Pressure (MAIP) = 1340 psig

D = depth used = 3938

MAIP =  $\lfloor \text{fg} \cdot (0.433 \cdot \text{SG}) \rfloor \cdot \text{D} = 1340.909$

(rounded down to nearest 5 psig)

**Beluga Federal 14-17-9-17  
Greater Monument Butte Unit  
Step Rate Test  
April 26, 2011**



**Start Pressure:** 928 psi  
**Instantaneous Shut In Pressure (ISIP):** 1413 psi  
**Top Perforation:** 3938 feet  
**Fracture pressure (Pfp):** 1340 psi  
**FG:** 0.780 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	50	982
2	100	1081
3	150	1183
4	200	1276
5	250	1351
6	300	1402
7	700	1429

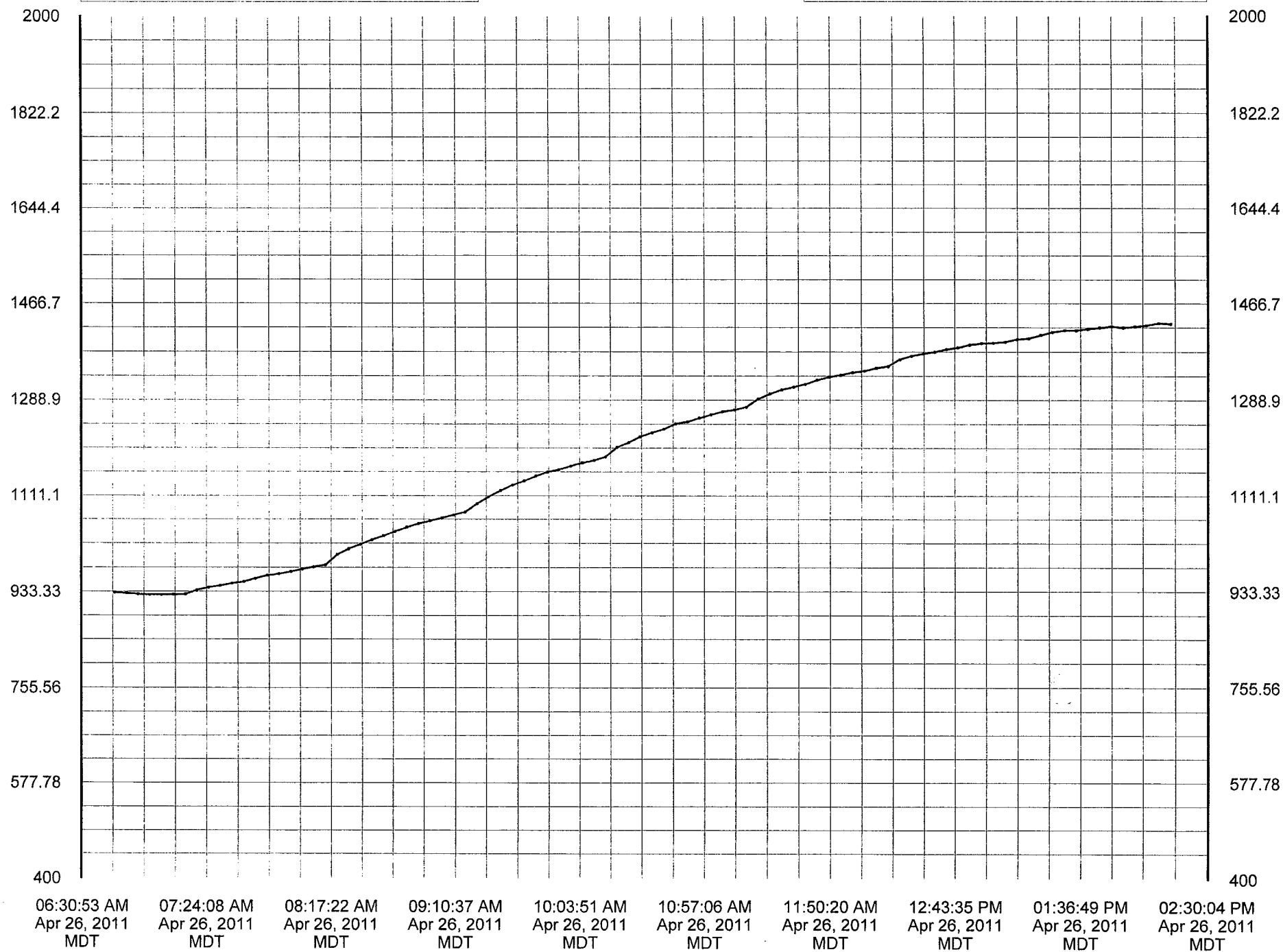
PSIA

Absolute Pressure

Beluga Federal 14-17-9-17 SRT  
(4-26-2011)

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

PSIA

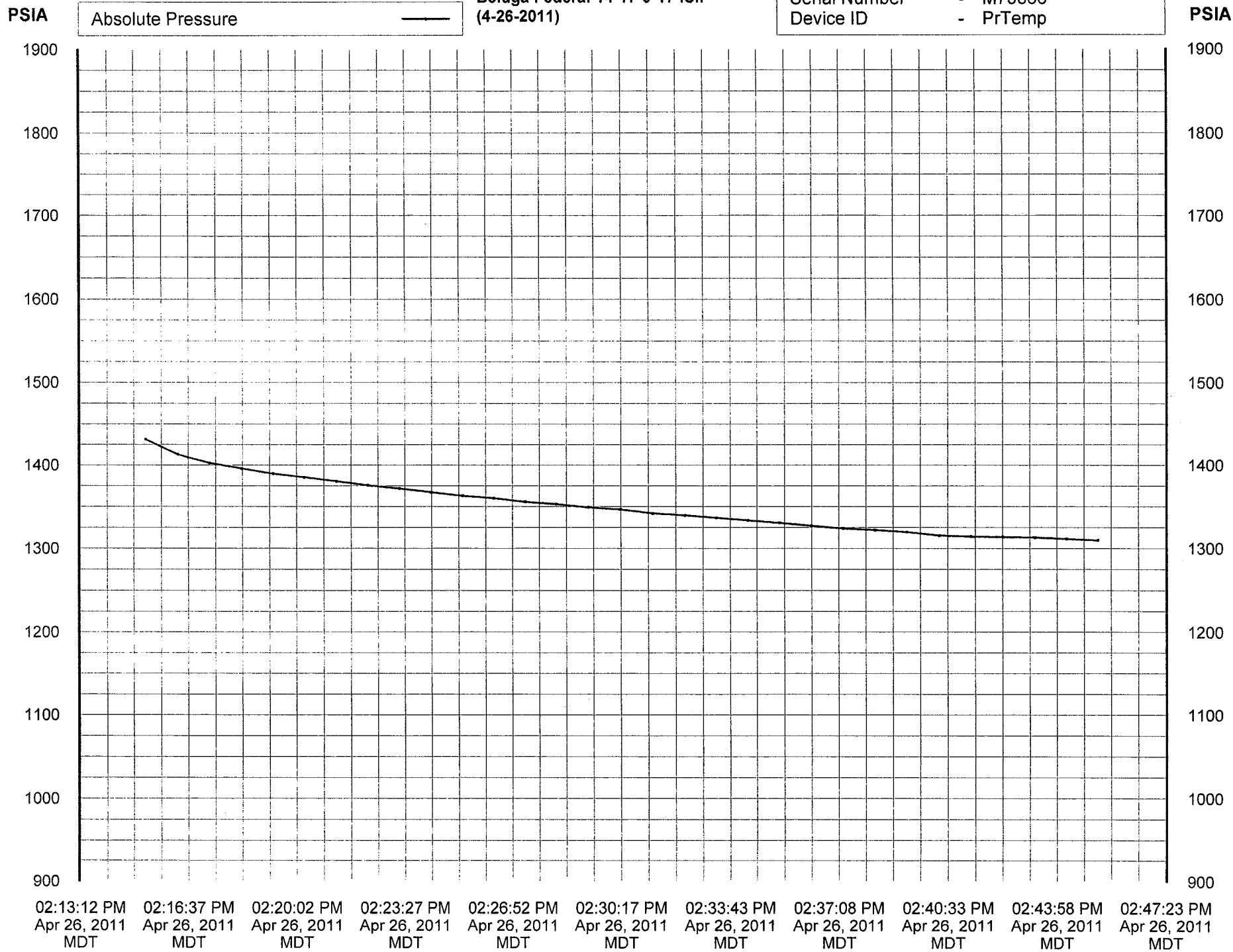


Report Name: PrTemp1000 Data Table  
 Report Date: Apr 27, 2011 08:02:08 AM MDT  
 File Name: C:\Program Files\PTC® Instruments 2.00\Beluga Federal 14-17-9-17 SRT (4-26-2011).csv  
 Title: Beluga Federal 14-17-9-17 SRT (4-26-2011)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Apr 26, 2011 06:44:59 AM MDT  
 Data End Date: Apr 26, 2011 02:14:59 PM MDT  
 Reading Rate: 2 Seconds  
 Readings: 1 to 91 of 91  
 Last Calibration Date: Apr 12, 2011  
 Next Calibration Date: Apr 12, 2012

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Apr 26, 2011 06:44:59 AM	931.400 PSIA	
2	Apr 26, 2011 06:49:59 AM	930.000 PSIA	
3	Apr 26, 2011 06:54:59 AM	928.200 PSIA	
4	Apr 26, 2011 06:59:59 AM	927.200 PSIA	
5	Apr 26, 2011 07:04:59 AM	927.200 PSIA	
6	Apr 26, 2011 07:09:59 AM	927.600 PSIA	
7	Apr 26, 2011 07:15:00 AM	928.000 PSIA	
8	Apr 26, 2011 07:19:59 AM	935.600 PSIA	
9	Apr 26, 2011 07:25:00 AM	941.000 PSIA	
10	Apr 26, 2011 07:29:59 AM	944.400 PSIA	
11	Apr 26, 2011 07:34:58 AM	948.800 PSIA	
12	Apr 26, 2011 07:39:59 AM	951.600 PSIA	
13	Apr 26, 2011 07:44:59 AM	957.600 PSIA	
14	Apr 26, 2011 07:49:59 AM	963.200 PSIA	
15	Apr 26, 2011 07:54:59 AM	966.000 PSIA	
16	Apr 26, 2011 08:00:00 AM	970.200 PSIA	
17	Apr 26, 2011 08:04:59 AM	974.800 PSIA	
18	Apr 26, 2011 08:10:00 AM	978.800 PSIA	
19	Apr 26, 2011 08:14:59 AM	982.400 PSIA	
20	Apr 26, 2011 08:19:59 AM	1001.200 PSIA	
21	Apr 26, 2011 08:24:59 AM	1011.800 PSIA	
22	Apr 26, 2011 08:29:59 AM	1020.000 PSIA	
23	Apr 26, 2011 08:34:59 AM	1028.200 PSIA	
24	Apr 26, 2011 08:39:59 AM	1035.800 PSIA	
25	Apr 26, 2011 08:45:00 AM	1043.800 PSIA	
26	Apr 26, 2011 08:49:59 AM	1051.800 PSIA	
27	Apr 26, 2011 08:55:00 AM	1058.400 PSIA	
28	Apr 26, 2011 08:59:58 AM	1063.600 PSIA	
29	Apr 26, 2011 09:04:59 AM	1069.000 PSIA	
30	Apr 26, 2011 09:09:59 AM	1074.800 PSIA	
31	Apr 26, 2011 09:14:59 AM	1080.600 PSIA	
32	Apr 26, 2011 09:19:59 AM	1095.800 PSIA	
33	Apr 26, 2011 09:24:59 AM	1108.800 PSIA	
34	Apr 26, 2011 09:29:59 AM	1120.400 PSIA	
35	Apr 26, 2011 09:34:59 AM	1130.800 PSIA	
36	Apr 26, 2011 09:40:00 AM	1138.800 PSIA	
37	Apr 26, 2011 09:44:59 AM	1147.800 PSIA	
38	Apr 26, 2011 09:49:59 AM	1155.200 PSIA	
39	Apr 26, 2011 09:54:59 AM	1159.800 PSIA	
40	Apr 26, 2011 09:59:59 AM	1166.400 PSIA	
41	Apr 26, 2011 10:04:59 AM	1172.400 PSIA	
42	Apr 26, 2011 10:09:59 AM	1177.000 PSIA	
43	Apr 26, 2011 10:15:00 AM	1183.400 PSIA	
44	Apr 26, 2011 10:19:59 AM	1201.200 PSIA	
45	Apr 26, 2011 10:25:00 AM	1210.200 PSIA	
46	Apr 26, 2011 10:29:59 AM	1220.800 PSIA	
47	Apr 26, 2011 10:34:59 AM	1228.800 PSIA	
48	Apr 26, 2011 10:39:59 AM	1235.000 PSIA	
49	Apr 26, 2011 10:44:59 AM	1245.000 PSIA	
50	Apr 26, 2011 10:49:59 AM	1248.600 PSIA	
51	Apr 26, 2011 10:54:59 AM	1255.400 PSIA	
52	Apr 26, 2011 11:00:00 AM	1261.600 PSIA	
53	Apr 26, 2011 11:04:59 AM	1267.600 PSIA	
54	Apr 26, 2011 11:10:00 AM	1271.000 PSIA	
55	Apr 26, 2011 11:14:59 AM	1276.000 PSIA	
56	Apr 26, 2011 11:19:59 AM	1291.000 PSIA	
57	Apr 26, 2011 11:24:59 AM	1300.400 PSIA	
58	Apr 26, 2011 11:29:59 AM	1307.800 PSIA	
59	Apr 26, 2011 11:34:58 AM	1312.800 PSIA	



60	Apr 26, 2011 11:39:59 AM	1318.600	PSIA
61	Apr 26, 2011 11:45:00 AM	1326.000	PSIA
62	Apr 26, 2011 11:49:59 AM	1331.600	PSIA
63	Apr 26, 2011 11:55:00 AM	1335.200	PSIA
64	Apr 26, 2011 11:59:59 AM	1339.800	PSIA
65	Apr 26, 2011 12:04:59 PM	1342.800	PSIA
66	Apr 26, 2011 12:09:59 PM	1348.200	PSIA
67	Apr 26, 2011 12:14:59 PM	1351.200	PSIA
68	Apr 26, 2011 12:19:59 PM	1363.800	PSIA
69	Apr 26, 2011 12:24:59 PM	1370.400	PSIA
70	Apr 26, 2011 12:30:00 PM	1374.200	PSIA
71	Apr 26, 2011 12:34:59 PM	1377.800	PSIA
72	Apr 26, 2011 12:39:59 PM	1382.400	PSIA
73	Apr 26, 2011 12:44:59 PM	1385.200	PSIA
74	Apr 26, 2011 12:49:59 PM	1390.400	PSIA
75	Apr 26, 2011 12:54:59 PM	1393.000	PSIA
76	Apr 26, 2011 12:59:59 PM	1393.800	PSIA
77	Apr 26, 2011 01:04:59 PM	1395.800	PSIA
78	Apr 26, 2011 01:09:59 PM	1400.800	PSIA
79	Apr 26, 2011 01:15:00 PM	1402.200	PSIA
80	Apr 26, 2011 01:19:59 PM	1408.600	PSIA
81	Apr 26, 2011 01:25:00 PM	1414.000	PSIA
82	Apr 26, 2011 01:29:59 PM	1417.000	PSIA
83	Apr 26, 2011 01:34:59 PM	1416.800	PSIA
84	Apr 26, 2011 01:39:59 PM	1419.800	PSIA
85	Apr 26, 2011 01:44:59 PM	1422.000	PSIA
86	Apr 26, 2011 01:49:59 PM	1424.400	PSIA
87	Apr 26, 2011 01:54:59 PM	1422.000	PSIA
88	Apr 26, 2011 02:00:00 PM	1424.000	PSIA
89	Apr 26, 2011 02:04:59 PM	1426.400	PSIA
90	Apr 26, 2011 02:10:00 PM	1430.400	PSIA
91	Apr 26, 2011 02:14:59 PM	1429.200	PSIA



Report Name: PrTemp1000 Data Table  
 Report Date: Apr 27, 2011 07:59:49 AM MDT  
 File Name: C:\Program Files\PTC® Instruments 2.00\Beluga Federal 14-17-9-17 ISIP (4-26-2011).csv  
 Title: Beluga Federal 14-17-9-17 ISIP (4-26-2011)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Apr 26, 2011 02:15:17 PM MDT  
 Data End Date: Apr 26, 2011 02:45:16 PM MDT  
 Reading Rate: 2 Seconds  
 Readings: 1 to 31 of 31  
 Last Calibration Date: Apr 12, 2011  
 Next Calibration Date: Apr 12, 2012

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Apr 26, 2011 02:15:17 PM	1431.000	PSIA
2	Apr 26, 2011 02:16:17 PM	1413.000	PSIA
3	Apr 26, 2011 02:17:17 PM	1402.400	PSIA
4	Apr 26, 2011 02:18:17 PM	1396.000	PSIA
5	Apr 26, 2011 02:19:17 PM	1389.800	PSIA
6	Apr 26, 2011 02:20:17 PM	1385.000	PSIA
7	Apr 26, 2011 02:21:17 PM	1380.200	PSIA
8	Apr 26, 2011 02:22:17 PM	1375.400	PSIA
9	Apr 26, 2011 02:23:17 PM	1371.600	PSIA
10	Apr 26, 2011 02:24:17 PM	1367.200	PSIA
11	Apr 26, 2011 02:25:17 PM	1363.000	PSIA
12	Apr 26, 2011 02:26:17 PM	1360.000	PSIA
13	Apr 26, 2011 02:27:17 PM	1355.600	PSIA
14	Apr 26, 2011 02:28:16 PM	1353.000	PSIA
15	Apr 26, 2011 02:29:17 PM	1349.200	PSIA
16	Apr 26, 2011 02:30:17 PM	1346.600	PSIA
17	Apr 26, 2011 02:31:17 PM	1342.000	PSIA
18	Apr 26, 2011 02:32:17 PM	1339.600	PSIA
19	Apr 26, 2011 02:33:16 PM	1336.600	PSIA
20	Apr 26, 2011 02:34:16 PM	1333.600	PSIA
21	Apr 26, 2011 02:35:16 PM	1330.600	PSIA
22	Apr 26, 2011 02:36:16 PM	1327.000	PSIA
23	Apr 26, 2011 02:37:16 PM	1324.000	PSIA
24	Apr 26, 2011 02:38:16 PM	1322.000	PSIA
25	Apr 26, 2011 02:39:16 PM	1319.400	PSIA
26	Apr 26, 2011 02:40:17 PM	1315.400	PSIA
27	Apr 26, 2011 02:41:16 PM	1314.200	PSIA
28	Apr 26, 2011 02:42:16 PM	1313.800	PSIA
29	Apr 26, 2011 02:43:16 PM	1313.000	PSIA
30	Apr 26, 2011 02:44:16 PM	1311.400	PSIA
31	Apr 26, 2011 02:45:16 PM	1309.600	PSIA

# **Beluga Federal 14-17-9-17 Rate Sheet (4-26-2011)**

<b>Step # 1</b>	Time:	7:20	7:25	7:30	7:35	7:40	7:45
	Rate:	50.4	50.4	50.4	50.3	50.3	50.3
	Time:	7:50	7:55	8:00	8:05	8:10	8:15
	Rate:	50.3	50.2	50.2	50.2	50.2	50.1
<b>Step # 2</b>	Time:	8:20	8:25	8:30	8:35	8:40	8:45
	Rate:	100.6	100.6	100.5	100.5	100.5	100.4
	Time:	8:50	8:55	9:00	9:05	9:10	9:15
	Rate:	100.4	100.4	100.3	100.3	100.2	100.2
<b>Step # 3</b>	Time:	9:20	9:25	9:30	9:35	9:40	9:45
	Rate:	150.5	150.5	150.5	150.5	150.5	150.4
	Time:	9:50	9:55	10:00	10:05	10:10	10:15
	Rate:	150.4	150.4	150.3	150.3	150.3	150.3
<b>Step # 4</b>	Time:	10:20	10:25	10:30	10:35	10:40	10:45
	Rate:	200.5	200.5	200.4	200.4	200.4	200.4
	Time:	10:50	10:55	11:00	11:05	11:10	11:15
	Rate:	200.3	200.3	200.3	200.2	200.2	200.2
<b>Step # 5</b>	Time:	11:20	11:25	11:30	11:35	11:40	11:45
	Rate:	250.7	250.7	250.7	250.6	250.6	250.5
	Time:	11:50	11:55	12:00	12:05	12:10	12:15
	Rate:	250.5	250.5	250.4	250.4	250.4	250.3
<b>Step # 6</b>	Time:	12:20	12:25	12:30	12:35	12:40	12:45
	Rate:	300.4	300.4	300.4	300.4	300.3	300.3
	Time:	12:50	12:55	1:00	1:05	1:10	1:15
	Rate:	300.3	300.2	300.2	300.1	300	300
<b>Step # 7</b>	Time:	1:20	1:25	1:30	1:35	1:40	1:45
	Rate:	350.6	350.6	350.5	350.4	350.4	350.4
	Time:	1:50	1:55	2:00	2:05	2:10	2:15
	Rate:	350.4	350.3	350.3	350.3	350.2	350.2
	Time:						
	Rate:						
	Time:						
	Rate:						

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74108
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> BELUGA FED 14-17-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0646 FSL 1981 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 17 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013326360000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/20/2014	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 01/20/2014 the casing was pressured up to 1212 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1526 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-07847		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> February 03, 2014		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/30/2014	

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 1/20/14  
Test conducted by: Bart Stubbs  
Others present: Mike Jensen

-07847

Well Name: <u>Beluga Fed. 14-17-9-17</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte</u>			
Location: <u>14</u>	Sec: <u>17</u>	T <u>9</u> N <u>(S)</u> R <u>12</u> <u>(E)</u> W	County: <u>Duchess</u> State: <u>UT</u>
Operator: <u>Newfield Production</u>			
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>11660</u>		PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0/1530 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>1530</u> psig	psig	psig
End of test pressure	<u>1526</u> psig	psig	psig
<b>CASING / TUBING</b>	<b>ANNULUS PRESSURE</b>		
0 minutes	<u>1188</u> psig	psig	psig
5 minutes	<u>1189</u> psig	psig	psig
10 minutes	<u>1193</u> psig	psig	psig
15 minutes	<u>1197</u> psig	psig	psig
20 minutes	<u>1202</u> psig	psig	psig
25 minutes	<u>1206</u> psig	psig	psig
30 minutes	<u>1212</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

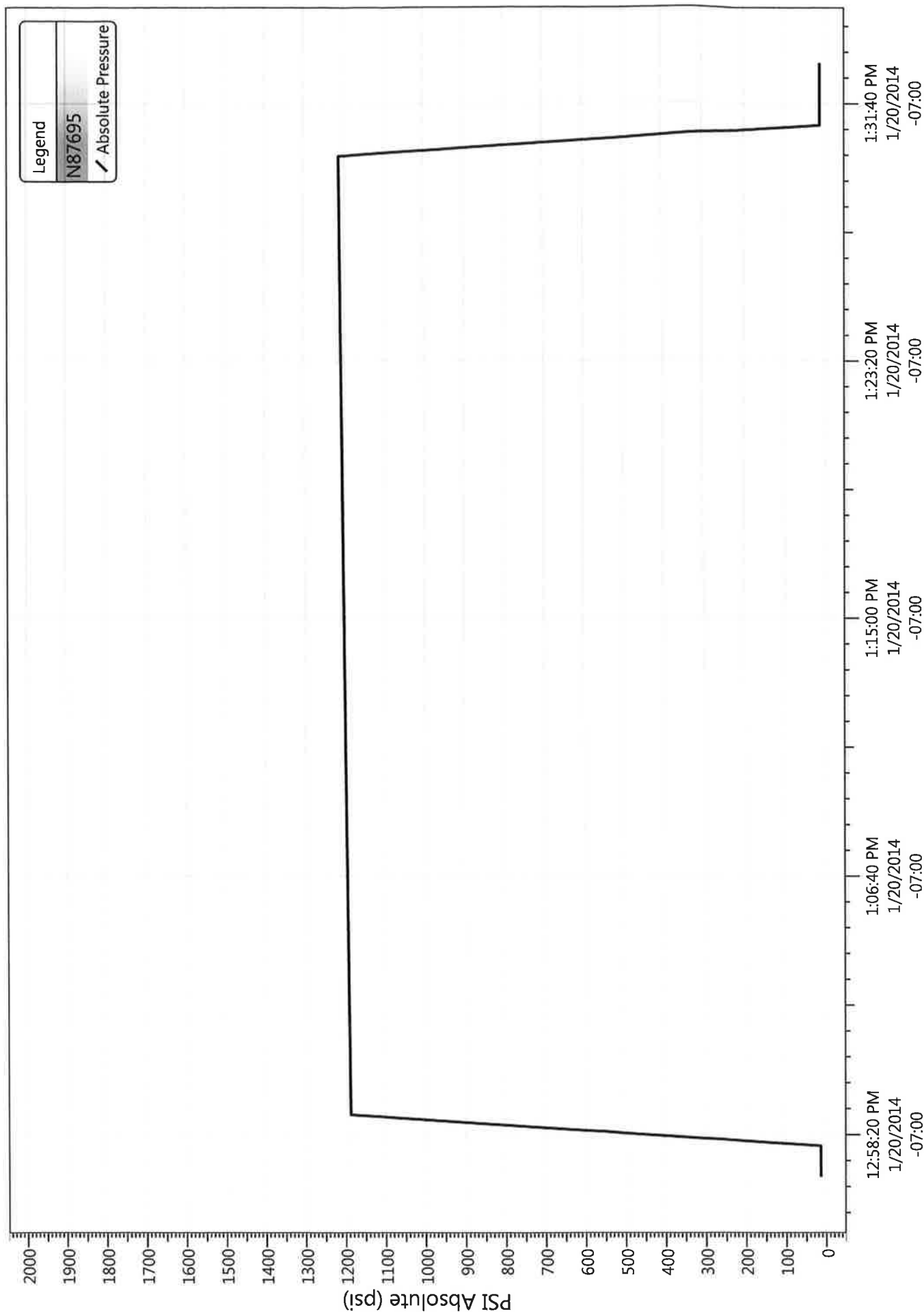
## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_

Buluga Fed. 14-17-9-17 MIT, (1-20-14)

1/20/2014 12:56:16 PM



# Beluga Federal 14-17-9-17

Spud Date: 01/23/06  
Put on Production: 03/08/06  
K.B.: 5427' G.L.: 5416'

Initial Production: BOPD,  
MCFD, BWPD

## Injection Wellbore Diagram

### SURFACE CASING

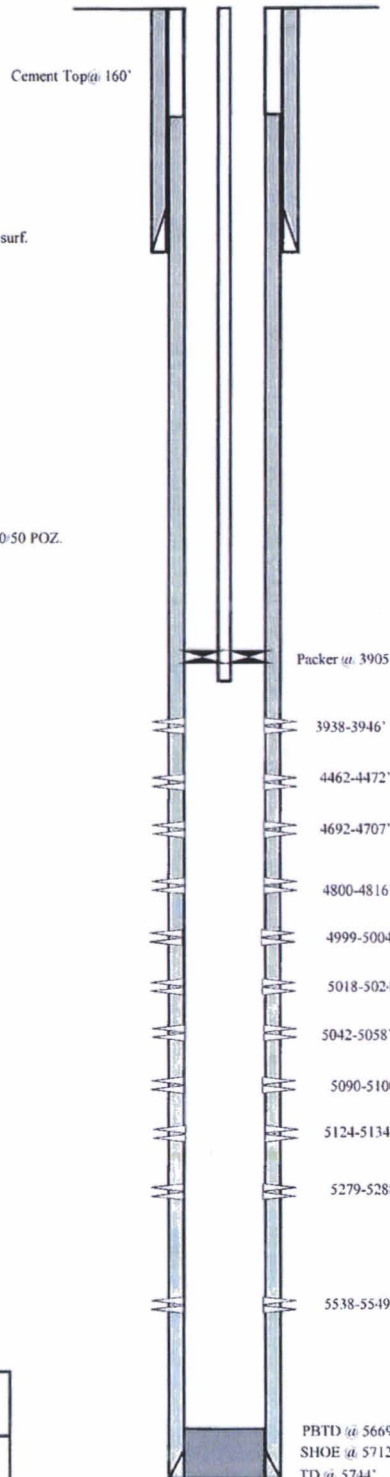
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (299.23')  
DEPTH LANDED: 311.08' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5713.00')  
DEPTH LANDED: 5712.25' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP: 160'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 120jts (3888.84')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 3900.84' KB  
TOTAL STRING LENGTH: EOT @ 3909.39' W/12" KB



### FRAC JOB

03/01/06	5538-5549'	<b>Frac CP5, sands as follows:</b> 35083# 20/40 sand in 396 bbls Lightning 17 frac fluid. Treated @ avg press of 1972 psi w/avg rate of 25.6BPM. ISIP 1980 psi. Calc flush: 5547 gal. Actual flush: 5502 gal.
03/01/06	5279-5288'	<b>Frac CP1 sands as follows:</b> 24901# 20/40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 1679 psi w/avg rate of 25.5 BPM. ISIP 1900 psi. Calc flush: 5286 gal. Actual flush: 5292 gal.
03/01/06	4999-5134'	<b>Frac LODC sands as follows:</b> 190068# 20/40 sand 1276 bbls Lightning 17 frac fluid. Treated @ avg press of 1974 psi w/avg rate of 39 BPM. ISIP 2290 psi. Calc flush: 5132 gal. Actual flush: 5040 gal.
03/01/06	4800-4816'	<b>Frac A3 sands as follows:</b> 99925# 20/40 sand in 728 bbls Lightning 17 frac fluid. Treated @ avg press of 2165 psi w/avg rate of 25.4 BPM. ISIP 2600 psi. Calc flush: 4814 gal. Actual flush: 4830 gal.
03/02/06	4692-4707'	<b>Frac B2 sands as follows:</b> 65374# 20/40 sand in 564 bbls Lightning 17 frac fluid. Treated @ avg press 2904 psi w/avg rate of 25.6 BPM. ISIP 1300 psi. Calc flush: 4705 gal. Actual flush: 3150 gal.
03/06/06	4462-4472'	<b>Frac D2 sands as follows:</b> 38177# 20/40 sand in 327 bbls Lightning 17 frac fluid. Treated @ avg press 3235 psi w/avg rate of 14.7 BPM. ISIP 2130 psi. Calc flush: 4470 gal. Actual flush 1008 gal.
03/06/06	3938-3946'	<b>Frac GB6 sands as follows:</b> 24278# 20/40 sand in 217 bbls Lightning 17 frac fluid. Treated @ avg press 2498 psi w/avg rate of 14.7 BPM. ISIP 1500 psi. Calc flush: 3944 gal. Actual flush 882 gal.
5-17-07		Parted Rods: Update tubing and rod detail.
2/17/09		Well converted to an Injection Well.
2/25/09		MIT completed and submitted.

### PERFORATION RECORD

02/24/06	5538-5549'	4 JSPF	44 holes
03/01/06	5279-5288'	4 JSPF	36 holes
03/01/06	5124-5134'	4 JSPF	40 holes
03/01/06	5090-5100'	4 JSPF	40 holes
03/01/06	5042-5058'	4 JSPF	64 holes
03/01/06	5018-5024'	4 JSPF	24 holes
03/01/06	4999-5004'	4 JSPF	20 holes
03/01/06	4800-4816'	4 JSPF	64 holes
03/01/06	4692-4707'	4 JSPF	60 holes
03/03/06	4462-4472'	4 JSPF	40 holes
03/03/06	3938-3946'	4 JSPF	32 holes

NEWFIELD

Beluga Federal 14-17-9-17

646' FSL & 1981' FWL

SE/SW Section 17-T9S-R17E

Duchesne Co, Utah

API #43-013-32636; Lease #UTU-74108